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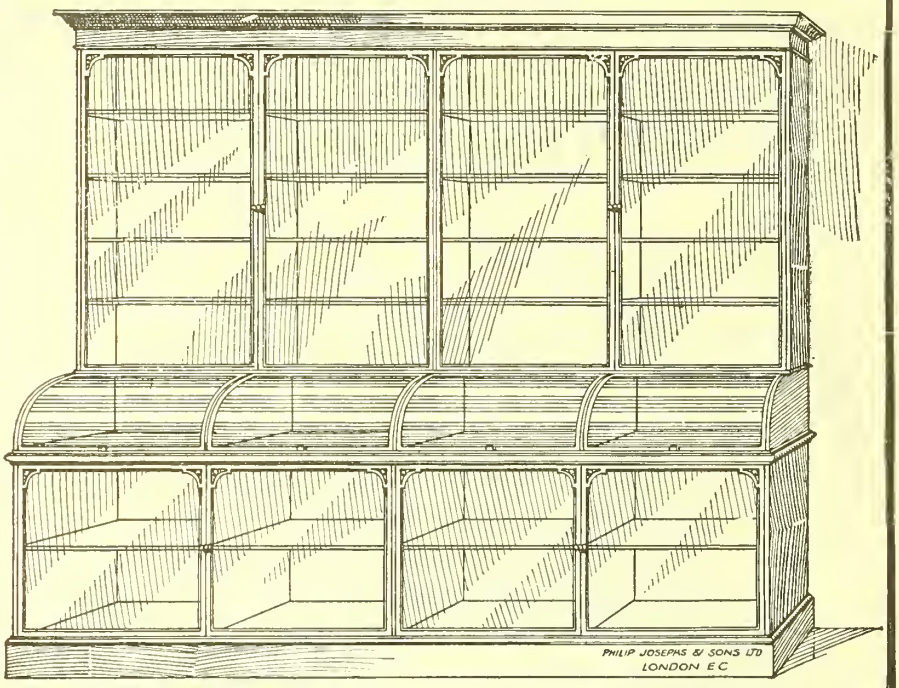
|---|---|---|---|
| 4 ft. long × 9 ft. high | | | £10 17 6 |
| 5 ft. | ,, | ,, | 12 15 0 |
| 6 ft. | ,, | ,, | 14 15 0 |
| 7 ft. | ,, | ,, | 17 0 0 |
| 8 ft. | ,, | ,, | 19 10 0 |
| 10 ft. | ,, | ,, | 22 10 0 |
| 12 ft. | ,, | ,, | 25 0 0 |
| 14 ft. | ,, | ,, | 30 10 0 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 ft. long, complete | £29 | 0 | 0 | 12 ft. long, complete | £36 | 10 | 0 |
| 10 ft. ,, ,, | 31 | 10 | 0 | 14 ft. ,, ,, | 42 | 0 | 0 |
| 11 ft. ,, ,, | 34 | 0 | 0 | 16 ft. ,, ,, | 47 | 10 | 0 |

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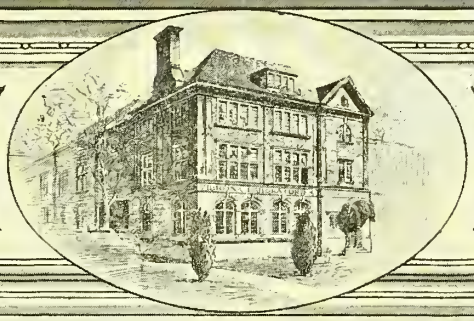

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PURE

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|---|---|---|---|
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| 951 | **Season's Greetings,** box containing 5 tablets assorted Milled Soaps ... ... | 4/9 | 6d. |
| | **Visitors' Tablets,** packets containing 6 Bijou tablets richly Perfumed, viz.:— | | |
| 952 | "**Throne**" packet ... ... ... ... ... ... ... ... ... ... | 4/- | 6d. |
| 953 | "**Rivera**" Elite packet ... ... ... ... ... ... ... ... ... | 4/- | 6d. |
| 954 | "**Rivera**" Violets packet ... ... ... ... ... ... ... ... ... | 4/- | 6d. |
| 955 | "**Alicia**" red and gold box, containing 2 tablets of "**Alicia**" and a bottle of "**Alicia**" Bouquet Perfume ... ... ... ... ... ... ... ... | 7/6 | 10½d. |
| 956 | "**Rivera**" decorative box, containing 2 tablets of "**Rivera**" and a bottle of "**Rivera**" Perfume ... ... ... ... ... ... ... ... ... | 9/- | 1/- |
| 957 | "**Rivera**" **Violets,** decorative box, containing 2 tablets of "**Rivera**" Violets and a bottle of "**Rivera**" Perfume ... ... ... ... ... ... ... ... | 9/- | 1/- |
| 958 | **Decorative Box,** containing 2 tablets of "**Throne**" and a bottle of "**Throne**" Perfume ... ... ... ... ... ... ... ... ... ... ... | 9/- | 1/- |
| 959 | "**Rivera**" **Casket,** containing 2 tablets of "**Rivera**" and a shilling bottle of Perfume | 14/- | 1/6 |
| 960 | "**Throne**" **Casket,** containing 2 tablets of "**Throne**" and a shilling bottle of Perfume | 14/- | 1/6 |
| 961 | **Baby's Own Toilet Box,** containing 2 tablets of Baby's Own Soap—"**Dorina**"; 1 bottle of Baby's Own Perfume; 1 box of Baby's Own Toilet Powder ... ... | 15/- | 2/- |
| 962 | **Gentleman's Clove Box,** containing "**Solace**" Shaving Stick; Box of "**Solace**" Face Powder; Bottle of "**Solace**" Brilliantine; Cake of "**Lasso**" Soap ... | 15/- | 2/- |
| 963 | **Gentleman's Toilet Casket,** containing "**Solace**" Shaving Cake; box of "**Solace**" Face Powder; Bottle of "**Solace**" Brilliantine; 2 tablets of "**Alicia**" Toilet Soap ... ... ... ... ... ... ... ... ... ... ... | 16/- | 2/- |
| 964 | **Lady's Clove Box,** containing tablet of "**Throne**" Toilet Soap; Bottle of "**Throne**" Perfume; Bottle of "**Throne**" Smelling Salts; Box of "**Throne**" Toilet Powder; Tin of "**Royalist**" Tooth Powder ... ... ... ... ... | 21/- | 2/6 |
| 436 | "**Savon de Luxe**" **Exclusif** (Olde English Lavender), 3 tablet boxes of exquisitely perfumed Soap of the very highest quality ... ... ... ... ... ... | 24/- | 3/- |

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With order value 30/- one 12-tablet box of "Alicia" free.
With order value 60/- two 12-tablet boxes of "Alicia" free.
With order value £5 four 12-tablet boxes of "Alicia" free.

"Alicia" tablets are delightfully fragrant and retail at 2d. each, so that the Bonus on a £5 order is equal to 8/-; and as the Profit on the Christmas lines is from 30% to 40% on the outlay, we can recommend them to you with every confidence.

N.B.—In order to secure the Bonus, orders must reach us by the 7th December, 1912.

We pay carriage on Xmas Toilet Soaps, quoted on this List, to any Railway Station in the United Kingdom, on orders of the value of £1 and upwards.

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Telephone: EAST, 1808 (4 lines). **BOW, LONDON, E.** Telegraphic Address: "CUTANEOUS LONDON."

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**CASTOR OIL**
Sparks, White & Co., Ltd.
Varaldi, F.

**CATHETERS**
Mason Bros. & Chapman
Warne, Wm., & Co., Ltd.

**CAUSTIC POINTS**
Pharm. Ind. Ges. Offenbach

**CAUSTIC SODA**
Brunner, Mond & Co., Ltd.

**CEMENTS**
Kay Bros., Ltd.
M'Caw, Stevenson & Orr, Ltd.

**CHALK PRECIPITATED**
Levermore, A., & Co., Ltd.
Mumford, G. S., & Sons
Nichols Chemical Co., Ltd
Sturge, John & E., Ltd.

**CHEMICALS**
Blythe, William & Co., Ltd.
Boehringer, C. F., & Soehne
Bramwell, E. & Son
British Drug Houses Ltd., The
Brunner, Mond & Co., Ltd.
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Corbyn Stacey & Co., Ltd.
Electrolytic Alkali Co., Ltd.
Evans Sons Lescher & Webb,Ltd.
Harrington Bros., Ltd.
Hoffmann-La Roche Chem. Wks., Ltd.
Howards & Sons, Ltd.
Johnson & Sons (Mfg. Chts.)
May & Baker, Ltd.
Merck, E.
Pointet & Girard
Stevenson, H. E., & Co.
Sturge, John & E., Ltd.
Tyrer, T., & Co., Ltd.
Washington Chemical Co., Ltd.
White, A., & Sons
Widenmann, Broicher & Co.
Zimmermann, A. & M.

**CHEST AND LUNG PROTECTORS**
Cuxson, Gerrard & Co., Ltd.

**CHEWING GUM**
Allen, Samuel, Ltd.
Tutti-Frutti Sen-Sen Co., Ltd.
Wrigley's, Ltd.

**CHLORIDE OF LIME**
Brunner, Mond & Co., Ltd.
Electrolytic Alkali Co., Ltd.
United Alkali Co., Ltd.

**CHLORODYNE**
Davenport, J. T., Ltd.
Freeman's Chlorodyne, Ltd.

**CHLOROFORM**
Alliance Drng & Chem. Co.
Burroughs Wellcome & Co.
Bush, W. J., & Co., Ltd.
Duncan, Flockhart & Co.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Smith, T & H., Ltd.

**CIGARS AND CIGARETTES**
Singleton & Cole, Ltd.

**CITRIC ACID AND CITRATES**
British Drng Houses, Ltd., The
Burgoyne, Burbidges & Co.
Howards & Sons, Ltd.
Sturge, John & E., Ltd.

**CLINICAL THERMOMETERS**
Burge, Warren & Ridgley, Ltd.
Maw, S., Son & Sons
Perken, Son & Co., Ltd.
Powell, J. T., & Co.
Raphael's, Ltd.
Zeal, G. H.

**CLIPS**
Reuter, R. J.

**CLOTH BALLS**
Senier, Alf., & Co.
Zetts, O'Neil, & Co.

**COAL TAR SPECIALITIES**
Wright, Layman & Umney, Ltd.

**COCKROACH PASTE**
Howarth & Fair

**COCOA**
Cadbury Bros., Ltd.

**COCAINE**
Buchler & Co.

**COD LIVER OIL**
British Drug Houses, Ltd., The
Charity, W., & Sons
Evans Sons Lescher & Webb,Ltd.
Lorimer Marshall, Ltd.
Sparks, White & Co., Ltd.
Wright, Layman & Umney, Ltd.

**COLD CREAM**
Barnetts Perfumery, Ltd.

**COLLAPSIBLE TUBES**
Betts & Co.

**COMBS**
Hovenden, R., & Sons, Ltd.
Reuter, R. J.

**COMPLEXION SPECIALITIES**
Rubinstein, Madame H.

**CONDENSERS**
Bennett, Sons & Shears, Ltd.

**CONFECTIONERY COLOURS**
Bush, W. J., & Co., Ltd.

**CONFECTIONERY, MEDICATED**
Guest, Thos., & Co.

**CONTINENTAL PROPS.**
Wilcox, Jozeau & Co.

**COPPERSMITHS**
Braithwaite, H., & Co.

**CORKS**
Mitchell, N. W., & Sons, Ltd.

**CORN EXTERMINATOR**
Gardner

**CORN PLASTERS**
Solport Bros.

**COUNTER ADJUNCTS**
Evans Sons Lescher & Webb,Ltd.

**COUNTER SPECIALITIES**
Allen & Hanburys, Ltd.
British Drug Houses, Ltd., The
Hewlett, C. J., & Sons, Ltd.
Wright, Layman & Umney, Ltd.

**COURT PLASTER**
Solport Bros.

**CREOSOTE**
Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.

**CREPE BANDAGES**
Burge, Warren & Ridgley, Ltd.
Gimber, W., & Son
Leslies, Ltd.
Norwich Crêpe Co. (1856), Ltd.
Wood, Vincent

**CYANIDES**
May & Baker, Ltd.

**DAIRY SPECIALITIES**
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

**DECOCTIONS,&c., CONCENT**
Wyleys, Ltd.

**DENTAL MECHANICS**
Cullwick, H. E.
Fentiman, A. G.
Fentiman, A. J., & Co.
Garthwaite, H.
Halder, E. C.
Wardale, F. C., & Co.

**DENTAL TOOLS, ETC.**
Plucknett, C. J., & Co, Ltd

**DENTIFRICES**
Beecham, T.
Bell (John), Hills & Lucas, Ltd.
Blackie, Robert
Calvert, F. C., & Co.
Christy, T., & Co.
Cook, E. & Co., Ltd.
Enoryl, Ltd.
Jewsbury & Brown
John Strange Winter
Mason Bros. & Chapman
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Parke, Davis & Co.
Reidel, J. D., & Co.
Sangers'
Standard Tablet & Pill Co., Ltd.
Woolley, J., Sons & Co., Ltd.

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Evans Sons Lescher & Webb,Ltd.
Express Developing Co.
Johnson & Sons (Mfg. Chts.)

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Fink, F., & Co.

**DIABETIC FOODS**
Van Abbot, G., & Sons

**DISINFECTANTS**
Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Ellison, Henry, Ltd.
Pearson's Antiseptic Co., Ltd.
Sanitas Co., Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd

**DISINTEGRATORS**
Hardy Patent Pick Co., Ltd.

**DRUGGISTS' SUNDRIES**
Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Bush, H. W., & Co., Ltd.
Christy & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb,Ltd
Hovenden, R., & Sons, Ltd.
Manson, R.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Poths, H., & Co.
Queloh, H. C., & Co.
Reuter, R. J.
Sangers
Schutze, F., & Co., Ltd.
Solport Bros
Swales, Thomas
Toogood, W., Ltd.
Wattenbach, O.
Woolley, J., Sons & Co., Ltd.

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Brook, Parker & Co., Ltd.
Gathergood's Exor.
Goodhall, Backhouse & Co.
Parkinson-Worswick, J.
Potter & Clarke, Ltd.
Ransom, W., & Son
Schmitt & Wildenhayn
Sparks, White & Co., Ltd.

**DYEWARES**
Clemons, Marshall & Carbert

**EAU DE COLOGNE**
Bronnley, H., & Co., Ltd.
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtnay & Co.
McCracken, J. & R.
Reuter, R. J.
Schutze, F., & Co., Ltd.
Spurway & Cie., Ltd.

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Bath & West of England College
Birmingham & Midland College
College of Preceptors
Elt's College
Glasgow School of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
Northern College of Pharmacy
School of Pharmacy
South of England College
Westminster College

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Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Bristol-Myers Co.
Cupal, Ltd.
Wright, Layman & Umney, Ltd.
Wyleys, Ltd.

**ELASTIC HOSIERY**
Ayrton, Saunders & Co., Ltd.
Burge, Warren & Ridgley, Ltd
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Surgical Hosiery Co., Ltd.
Wood, Vincent

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Millard Bros., Ltd.
Ward & Goldstone

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Oakey, J., & Son, Ltd.

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Whiffen & Sons, Ltd.

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Bennett, Sons & Shears, Ltd.
Wilkinson, S. W., & Co.

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Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Boulton Macro, Ltd.
Burgoyne, Burbidges & Co.
Cupal, Ltd.
Lorimer Marshall, Ltd.
Stevenson, H. E., & Co.

**ENEMAS**
Burge, Warren & Ridgley, Ltd
Ingram, J. G., & Son
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Warne, W., & Co., Ltd.

**ESSENCES, SOL. AND FRUIT**
Alliance Drug & Chem. Co.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
May, Wm., Ltd.
London Essence Co.
Newball & Mason
Stevenson & Howell, Ltd.
Stevenson, H. E., & Co.

**ESSENCES, CONCRETE**
Spurway & Cie., Ltd.

**ETHERS**
Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

**EUCALYPTUS OIL**
British Drug Houses, Ltd., The

**EYE BATHS**
Sangers

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Newball & Mason
Potter & Clarke, Ltd.

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Allen, Stafford & Sons, Ltd.
Burroughs, Wellcome & Co.
Evans Sons Lescher & Webb,Ltd
Gathergoods Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W., & Son

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Great Western Railway
North-Eastern Railway

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Burgoyne, Burbidges & Co.

**FILTERS**
Berkefeld Filter Co., Ltd.

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Alabastine Co. (British), Ltd.
Barraclough, J., & Co.
Smith, Jno. H., & Co.
Strong, Christy
Tunbridge & Wright

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Benger's Food, Ltd.
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Brand & Co., Ltd.
Burgoyne, Burbidges & Co.
Cox, Arthur H., & Co., Ltd.
Deans, Logan & Co., Ltd.
Fairchild Bros. & Foster
Horlick's Malted Milk Co.
"Lemco and Oxo"
Lofthouse & Saltmer, Ltd.
Menley & James, Ltd.
Natural Food Co. Ltd.
Sister Lauras Infant Food Co.
Willows, Francis, B. & T.
Woolley, Jas. Sons & Co., Ltd.

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Mumford, G S., & Sons

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Sanitas Co., Ltd.

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Price's Patent Candle Co., Ltd.

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Merck, E.
Pointet & Girard

**GREASE REMOVER**
Perkin & Co, Ltd.

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Allen, Stafford & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T.
Wright, Layman & Umney, Ltd.

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Hardy Patent Pick Co., Ltd.

**GUMS**
Fink, F., & Co.
Kidston, W. M., & Co.

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Marker, Stagg & Morgan, Ltd.

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Crewe & Co.

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Aironal, Ltd
Alexandre, L.
Blackie, Robert
Edwards' "Harlene" Co.
Harrison, G. W.
John Strange Winter
Nyto Preps., Ltd
Osborne, Garrett & Co.
Robare's Aureoline
Saunders, J. Tozeau. Ltd.
Van Essen, James & Co., Ltd.

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Christy, Thos., & Co.
Senier, Alf., & Co.

**HAT DYES**
Whitaker & Co.

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Stola Electrophone Co., Ltd.

**HEATING APPARATUS**
Clark's Syphon Stove Co., Ltd.

**HERBS**
Brook, Parker & Co., Ltd.
Potter & Clarke, Ltd.
Ransom, W., & Son

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Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.

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Burge, Warren & Ridgley, Ltd.
Dunlop Rubber Co., Ltd.
Fulham Pottery and Cheavin Filter Co., Ltd.
Galen Manfg. Co., Ltd.
North British Rubber Co., Ltd.
Schutze, F., & Co., Ltd.
Tompkins, J., Ltd.
Toogood, William, Ltd.
Wood, Vincent
X. L. Rubber Co.

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Kingsley Hotel
Thackeray Hotel

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May & Baker, Ltd.
Sanitas Co. Ltd.
Tyrer, T., & Co., Ltd.

**HYPOPHOSPHITES**
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

**ICHTHYOL**
Ichthyol Gesellschaft

**INHALERS**
Oso Medicated Air Co., Ltd.

**INSECTICIDES**
Christy, T., & Co.
Nyto Preparations, Ltd.
Tomlinson & Hayward, Ltd.

**INSECT POWDER**
Danysz Virus, Ltd.
Keating, Thomas

**INSTEP SUPPORTS**
Pond, H. J.
Scholl Manfg. Co.

**JUJUBES**
Gnest, Thos., & Co.
Potter & Clarke Ltd.

**LANOLINE**
Burroughs Wellcome & Co.

**LARD**
Ewen, J., & Sons

**LAVENDER WATER.**
Bush, W. J., & Co., Ltd.
Rivers, Hill & Co., Ltd.

**LEATHER BLACK**
Whitaker & Co.

**LECITHIN**
Chem. Works "Victoria"
Williams, G. M., & Co.

**LETTER FILES**
Eeles, Walker & Co.

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Evans Sons Lescher & Webb,Ltd.
Goodall, Backhouse & Co.
Idris & Co., Ltd.

**LINSEED, CRUSHED, &c.**
Mumford, G. S., & Sons

**LINTS**
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.
Taylor, W. J.
Vernon & Co., Ltd.

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Apollo
Evans Sons Lescher & Webb,Ltd.
Jackson, E. E.
Mumford, G. S., & Sons
Solazzi

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British Drug Houses, Ltd., The
Macfarlan, J. F., & Co.
May & Baker, Ltd.

**LOOFAHS**
Internl. Sponge Importers, Ltd.
Solport Bros.
Swales, Thomas

**LOZENGES**
Ayrton, Saunders & Co., Ltd.
Guest, Thos., & Co.
Jackson, E. E.
Potter & Clarke, Ltd.
Raimes & Co.
Standard Tablet & Pill Co.,Ltd.
Warrick Bros., Ltd.

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Gardner, Wm., & Sons, Ltd.
Hardy Patent Pick Co., Ltd.
Lister, R. A., & Co., Ltd.
Findar, J. W., & Co.
Stokes, F. J., Machine Co.
Wilkinson, S. W., & Co.

**MAGNESIA AND ITS PREPS.**
British Drug Houses, Ltd., The
Corbyn, Stacey & Co., Ltd.
Henry, T. & W.
Howards & Sons, Ltd.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ltd.

**MALT EXTRACT & PREPS.**
Boulton, Macro, Ltd.
British Diamalt Co., Ltd.
British Drug Houses, Ltd., The
Burroughs Wellcome & Co.
Davies, Sons & Co.
Evans Sons Lescher & Webb,Ltd.
Paine & Co., Ltd

**MANICURE CASES**
Hovenden, R., & Sons, Ltd.

**MARKING INK**
John Bond ("Crystal Palace")

**MEAT EXTRACTS**
Armour & Co., Ltd.
Bovril, Ltd
Brand & Co., Ltd.
"Lemco and Oxo"
Tooth's Extract of Meat Co.

**MERCURIALS**
Alliance Drug & Chem. Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

**METAL GOODS**
Betts & Co., Ltd.
Eley Bros., Ltd.

**METHYLATED SPIRIT**
Burrough, J., Ltd.
Macnair, A., & Co.
Preston's Liverpool Distillery
Randall & Son, Ltd.

**MICROSCOPES**
Raphael's, Ltd.

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Apollinaris Co., Ltd.
Hughes, E., Griffiths
Ingram & Royle, Ltd.
Vichy (State Springs)
Vittel

**MIXERS AND SIFTERS**
Comet Chemical Co., Ltd.
Gardner, Wm. & Sons (Gloucester), Ltd.

**MUSTARD PLASTER**
Rueff, Julius

**NIGHT-LIGHTS**
Prescott & Co.

**OINTMENTS**
Blackie, Robert
Burgess, E.
Calvert, F. C., & Co.
Cartwright, W. B., Ltd.
Cox, Arthur H, & Co.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol), Ltd.
Smith, Maurice,
Zimmermann, Chas., & Co.

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Allen, Stafford & Sons, Ltd.
Alliance Drug & Chemical Co.
Boake, A., Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Evans Sons Lescher & Webb,Ltd
London Essence Co.
Poppelreuter, W.
Ransom, W., & Son
Schimmel & Co.
Spurway & Cie., Ltd.
Stevenson & Howell, Ltd.
Varaldi, F.
Wright, Layman & Umney, Ltd.
Zimmermann, Chas., & Co.

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Schliemann's Oil & Ceresine Co
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Sparks, White & Co., Ltd.
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Darton, F., & Co
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Wright, Layman & Umney, Ltd.

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Allen & Hanburys, Ltd.
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Boulton Macro, Ltd.
Brook, Parker & Co., Ltd.
Cartwright, W. B., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupal, Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb,Ltd
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Lofthouse & Saltmer
Lorimer Marshall, Ltd.
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Oldfield, Pattinson & Co.
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Sangers
Standard Tablet & Pill Co.,Ltd

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Powell, J. T., & Co.

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Asche, C. F., & Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb,Ltd
Kerfoot, Thomas, & Co.
Taverner & Sons, Ltd.
Valda Pastilles
Warrick Bros., Ltd.

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Newnham, Browne & Co.

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Boehringer, C. F., & Soehne
Bush, W. J., & Co., Ltd.
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Schwarz, A. W.
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Wright, Layman & Umney, Ltd.
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Bush, W. J., & Co, Ltd
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Christy, T., & Co.
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Johnson & Sons (Mfg.Chts.),Ltd

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Evans Sons Lescher &Webb,Ltd
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Davies, Sons & Co.
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Berliner, Arthnr
Dalmas, A. de St., & Co.
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Anglo-Indian Drug & Chem. Co.

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Beecham, T.
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British Drug Houses, Ltd., Ths
Burgess, E.
Carnrick, G. W., Co.
Chameleon Oil Co., Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Crimson Cross Dispensary
Cnpal Ltd.
Cyona Co., Ltd.
Daisy, Ltd.
Davenport, J. T., Ltd.
Demnth, R.
Dunoan, Flockhart & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb,Ltd
Fanlding, F. H., & Co.
Fellows' Med. Manfg. Co.
Fennings, Alfred
Ferris & Co., Ltd.
Fox & Co. (Liverpool), Ltd.
Freeman's Chlorodyne, Ltd.
Fnlford, C. E., Ltd.
Gambles, J. C., & Co.
Goodall, Backhouse & Co.
Harrison, Geo. W.
Henry, T. & W.
Hommel's (Dr.), Hæmatogen
Hnghes, E. Griffiths
Ichthyol Gesellschaft
International Laboratories
Kay Bros., Ltd.
Knnow, S., & Co., Ltd.
"Lemoo and Oxo"
Martindale, W.
May, Roberts & Co., Ltd.
Mergentheim Tablets
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Oppenheimer, Son & Co., Ltd.
Owbridge, W. T., Ltd.
Phillips, Chas. H., Chem. Co.
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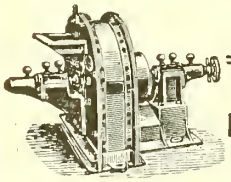

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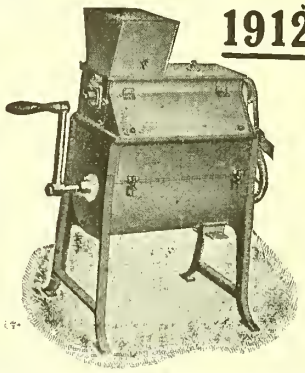

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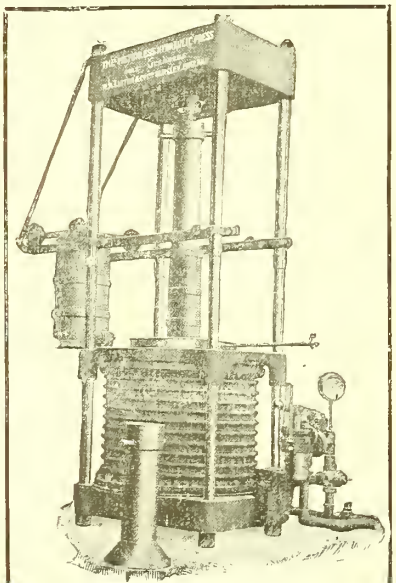

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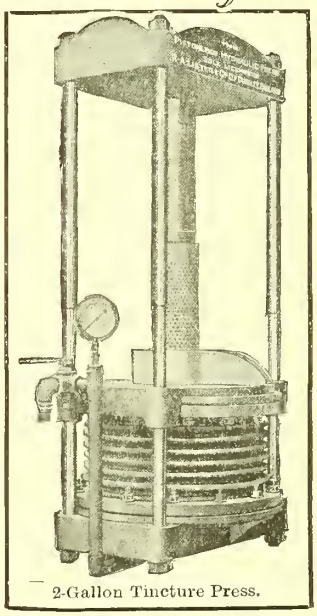

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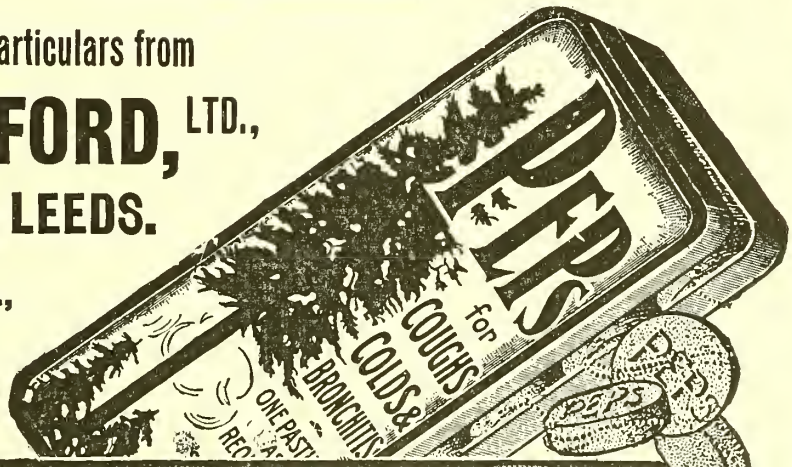


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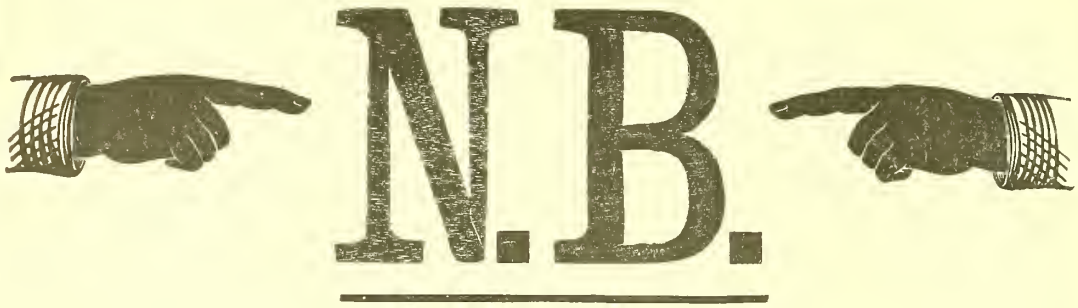


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## EVANS SONS LESCHER & WEBB, Ltd.

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# ANOTHER IMPORTANT ANNOUNCEMENT

re

# PARMINT

The International Laboratories of 62 Oxford Street, London, W., Manufacturers of the famous "PARMINT" recipe, beg to announce that their Winter Advertising Campaign is now well under way and already the sales have increased enormously. All the leading daily, Sunday and weekly publications in England, Ireland, Scotland and Wales are being used. Sunday and weekly papers are carrying their advertisement in every issue, while the dailies run them every other day.

They earnestly advise all Chemists to examine their stock of "PARMINT," and, if not well supplied, to place their order with their Wholesale House at once. No Chemist can afford to be caught short of stock.

They also beg to announce that the front of their package has been slightly altered. Each package now bears their signature in script.

"PARMINT" was the first preparation ever offered to the public in convenient form for mixing at home. It is the old original recipe which through Trade Mark and Copyright has defied imitation. It is a combination of essential oils which can be made into an effective cough or lung tonic by simply adding to it half a pint of ordinary sugar syrup.

"PARMINT" does not injure your trade in ordinary Cough Syrups or lozenges, but, on the contrary, it brings to your counters a class of customers who will not buy an ordinary Cough Mixture. Thousands of people have a horror of prepared medicines, these are the people who buy "PARMINT," and who through its merits are brought back to your counters time and again. Hundreds of Doctors and Chemists are recommending it, and every sale you make means a satisfied and pleased customer.

"PARMINT" is to be steadily advertised all the winter, and in stocking it you are placing a preparation on your shelves for which there is a good healthy demand, and one that is becoming a universal home remedy for coughs and colds. Yet, at the same time, one which does not interfere with the sales of your own preparations. "PARMINT" absolutely produces a new clientele.

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Every Wholesale House in England handles it. Don't be without it a day.

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NO LOOSE HAIRS IN OUR :: TOOTH BRUSHES. ::

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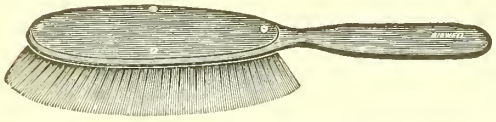

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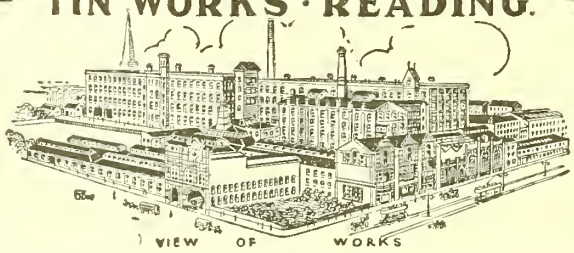

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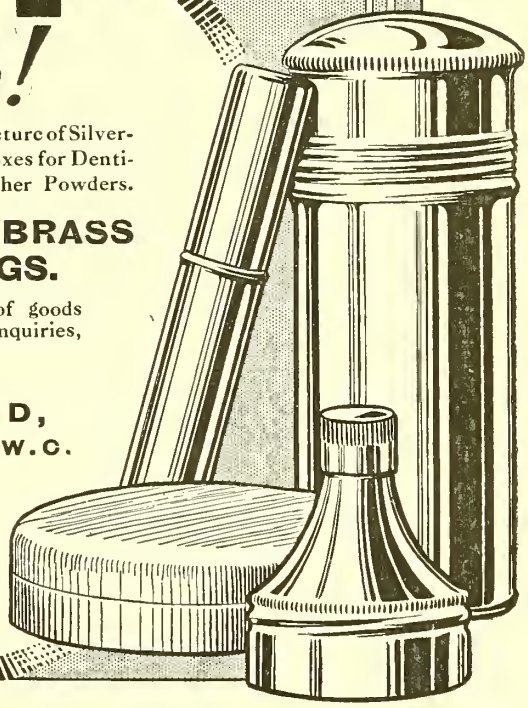

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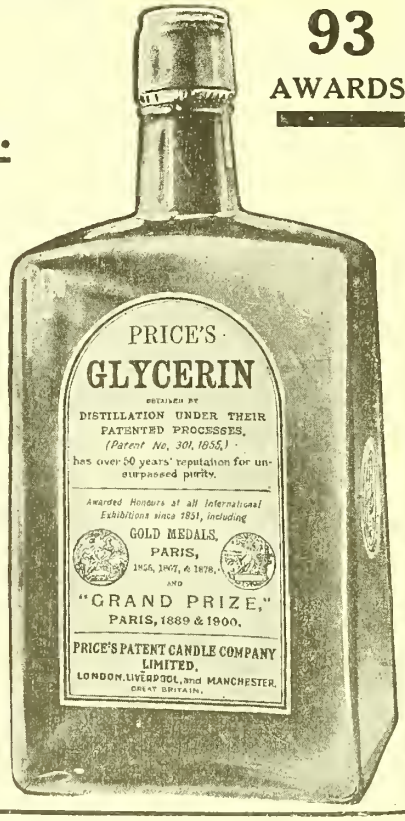


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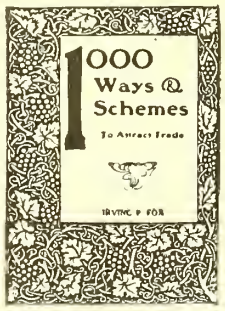


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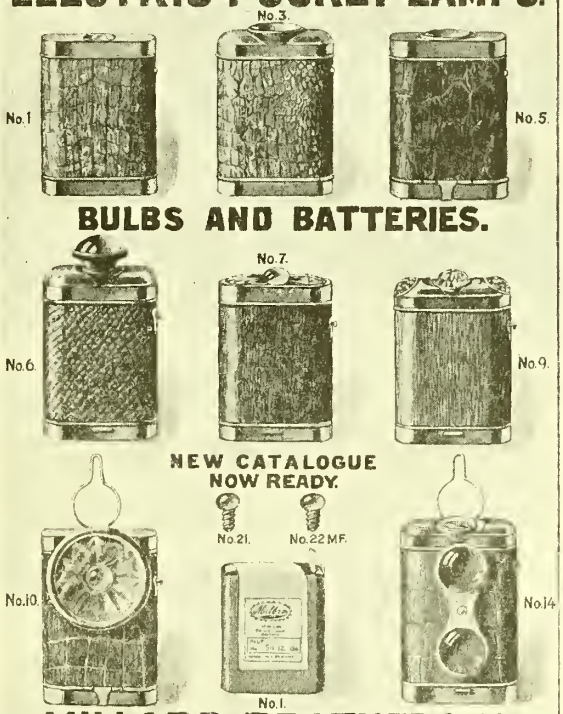


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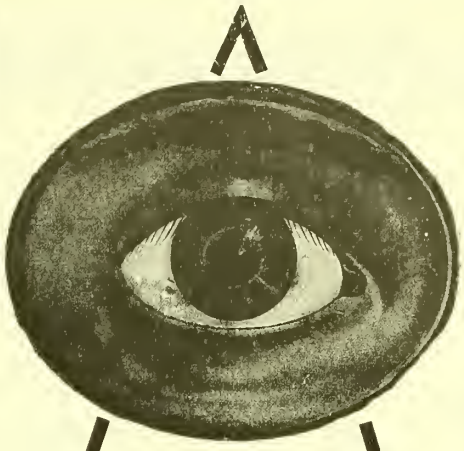

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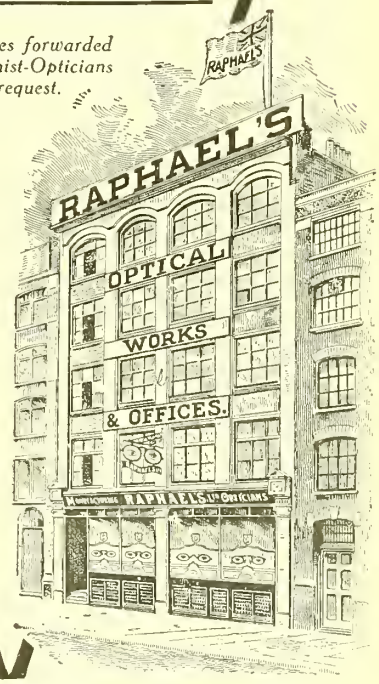


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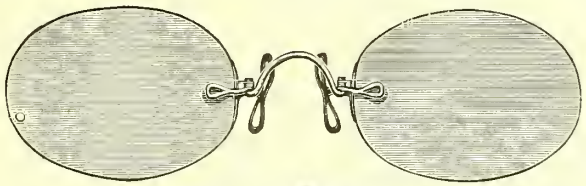

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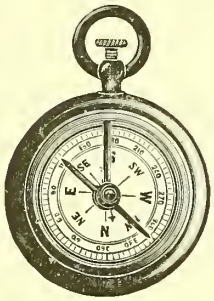

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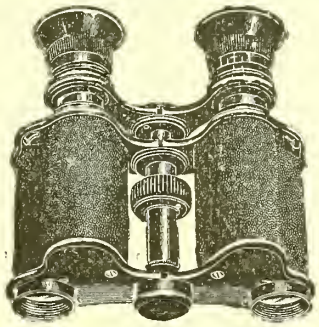

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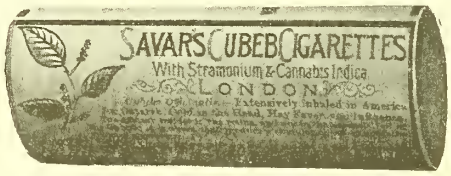



A genuine relief in cases of Asthma, Catarrh and all Throat Coughs.

On P. A. T. A. List

1/- and 2/6 boxes, minimum retail 11d. and 2/3

8/6 and 20/- per dozen net.

*A really artistic showcard sent free on application.*

EVANS SONS LESCHER & WEBB LIMITED

LONDON AND LIVERPOOL

G

# LISTERINE

**The Popular American Antiseptic.**

A non-toxic antiseptic of known and definite power, prepared in a form convenient for immediate use; of ready dilution, sightly, pleasant, and sufficiently powerful for all purposes of asepsis—these are advantages which Listerine embodies.

The success of Listerine is based upon merit, and the best advertisement of Listerine is—Listerine.

## LISTERINE DERMATIC SOAP

Designed to meet the most exacting requirements of a saponaceous detergent for use in the antiseptic treatment of diseases of the skin. No animal fats, and only the best vegetable oils enter into its composition, and of these it contains a surplus, "superfatted." It is a bland, unirritating and remarkably efficient soap.

## LISTERINE TOOTH POWDER

This powder is not intended to supplant Listerine in the daily toilet of the teeth, but is offered in response to the demand for a frictionary dentifrice to be used in conjunction with this well-known and time-tried antiseptic.

Listerine Tooth Powder, like Listerine, will advertise itself by its intrinsic merit.

BRITISH TRADE SUPPLIED BY

MAW, SON & SONS, 7 to 12 Aldersgate St., London, E.C.

General Agents for Great Britain.

For Descriptive Literature, Address—

**LAMBERT PHARMACAL CO., St. Louis U.S.A.**

# Deal in Success!

Nothing succeeds like it! Why accumulate dead stock "trying" things—when a proved success is available? Make a point of stocking

# SECCOTINE

it is firmly established in public favour as the finest adhesive for repairing broken ornaments, tools, furniture, toys, etc., in fact it

**STICKS EVERYTHING**

and is also a wonderful renovator of silks, satins, velvets, laces, straws, etc.

SECCOTINE is on the P.A.T.A. List

A liberal supply of advertising matter with each order.

Particulars and Trade Terms from

**M'CAW, STEVENSON & ORR, Ltd., Belfast**

31-32 SHOE LANE, LONDON, E.C.

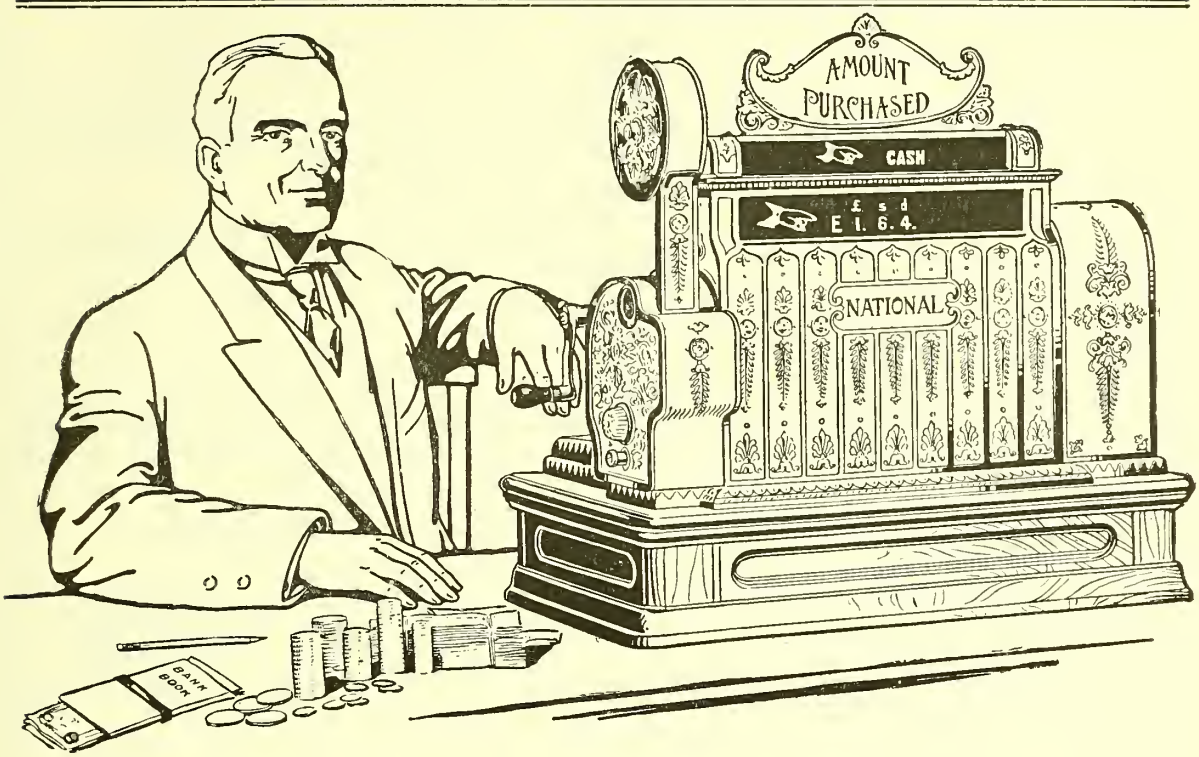
*(Reproduction of our Attractive Showcard.)*

**EASILY APPLIED. DRIES AT ONCE. ONE APPLICATION. DOES NOT RUB. WATERPROOF.**

Articles done with this black may be polished and worn 15 minutes after application. In bottles 6d. each, in separate neat carton with suitable brush.

*WRITE FOR TERMS AND PARTICULARS.*

WE ARE HELPING YOU WITH GOOD ADVERTISING




# Take care of the Pennies so that the Pounds can take care of you.

**You lose** money because your system does not show you where **every Penny** comes from and where it goes.

**It does not tell you how much you should have!**—you take what you find—and **guess** whether it is **all your profit.**

**A National Cash Register** will take care of every penny you take in, and give you a complete record of every transaction in your shop.

It will pay you to investigate this system at once, and see what it will do for **you!** Don't delay; send coupon to-day.

Our Registers are supplied on very easy terms of payment.

Liberal allowance made for other tills and older style "Nationals" taken in exchange for our latest improved machines.

---

**The National Cash Register Co. Ltd.,**
**225 Tottenham Court Road, W.**

Telephone: City 7155 (4 lines).
Telegrams: "Nacareco, Ox, London."

*Cut out or copy.*

**COUPON** Oct. 5.

The N.C.R. Co., Ltd.,
225 Tottenham Court Road, London, W.
Please send your booklet showing how I can realize the different benefits as claimed above. This inquiry to place me under no obligation to purchase.

Name_____

Address_____

CHEMIST & DRUGGIST.

## Make Your Goodwill More Valuable!

¶ Learn Advertising and increase your returns. The Chemist who knows how to create a trade for his own proprietary lines places himself beyond competition. Learn the theory and *practice* of advertising in the Kingsway School. Kingsway methods infuse inspiration, enthusiasm, and help you to create ideas for increasing your turnover. A few hours application weekly in your spare time will enable you to assimilate profit-creating knowledge. Write to-day for free illustrated Prospectus.

Dept. 12, KINGSWAY SCHOOL OF ADVERTISING, Hampden House, Kingsway, LONDON, W.C.

## Press Cuttings

¶ Everything and anything that is printed in any newspaper anywhere can be supplied by

# The Central News,

Press Cutting Department,
5 New Bridge St., London, E.C.

The Central News Agency has been established over forty years.

MEET NEW CONDITIONS BY DOING SOMETHING NEW.

## START A MAIL-ORDER BUSINESS

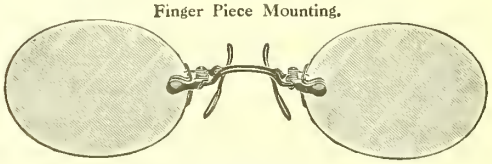
This can be done in spare time and at small outlay. It brings cash orders, good profits. Success depends upon *kind* of advertising used. Writing, designing, planning for Mail-Order Business for Chemists and Druggists my speciality. References prove this. *Send for Free Booklet.*

**F. A. DEGEN,** Fellow Inc. Soc. Advt. Consultants. c/o The Chemist and Druggist, 42 CANNON STREET, E.C.

THE

# "FIT-LITE"

Finger Piece Mounting.



In Gold Filled Only

HIGHEST QUALITY. :: LOW PRICE.
Samples on Approval. FITTING SETS SUPPLIED.

ANGLO-AMERICAN OPTICAL CO., 47 Hatton Garden, E.C.

This Catalogue, with Trade Terms, free.

*Mention "Chemist and Druggist."*

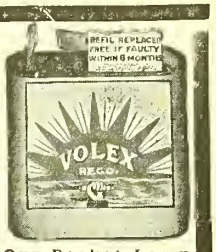
**ATTRACTIVE LINES IN POCKET ELECTRIC FLASH LAMPS.** Complete with Bulbs and best Refill Battery, from 6/1½ dozen.

**The "Multex" Pocket Electric Flash Lamp.** Very superior quality. Gives a most brilliant light. Price 2/10, complete with best Bulb and best Refill.

**Aristo Gun-metal Case**, with Refill and Metal Filament Bulb, for Waistcoat Pocket. 2/-.



**The "Dainty" Waistcoat** Pocket de luxe pattern, 1/8 each net, leather covering; popular pattern, 1/4 each net, leatherette covering. Complete with Bulbs and Batteries.

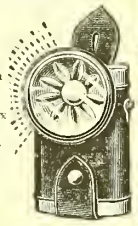


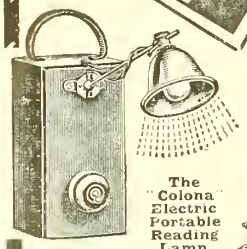

**Our Pocket Lamp Refills** are unequalled for lasting, quality, and efficiency. Price from 2/10½ dozen net.

**Leather Cased Lamp, with Button and Bell Attachment.**

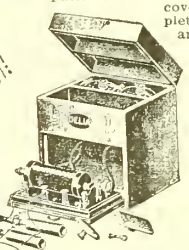
Splendid for train, reading, and inspection use. Complete with Volex long-life Refill and Metal Filament Bulb.

Price: 4/4

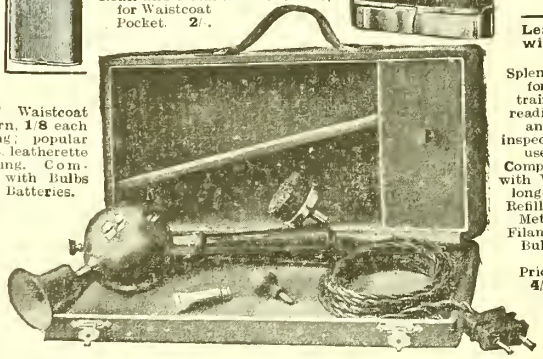




**The "Colona" Electric Portable Reading Lamp,** with Volex giant dry Battery. Each Battery gives from 68 to 80 hours brilliant light. Polished Walnut Case. Aluminium Reflector, and Bulb, &c., complete. Price 14/6 Weight 2½ lb.



**Medical Coils.** — A large range of Medical Coils from 12/- doz. The "Delia," as illus., with Electrodes & Drop-down front. Leather Handle, 17/4 net.



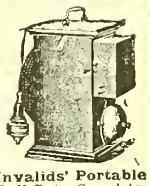
**SAMPSON MASSAGE VIBRATOR**, in handsome case, provides strong or mild current. Price £1 12 0 net, complete with batteries. Write now for the largest Catalogue of Electrical Novelties ever issued. Mention Paper. Hundreds of money-making lines.

**WARD & GOLDSTONE,** ESTAB. 1892,

***Contractors to H.M. Government,***

**Springfield Lane, SALFORD, MANCHESTER.**

Telephone: 7084-5-6-7 CENTRAL. Telegrams: "MULTUM MANCHESTER."



**Invalids' Portable Bell Set.** Complete, 6/8 net.

## —"But if it does separate, who suffers?"

The "P., D. & Co."

# Cod Liver Oil Emulsion

## With HYPOPHOSPHITES, B "B."

is sold under an explicit guarantee which absolutely protects the chemist from loss through unsaleable stock. No burden of explanation is imposed. If the chemist is not fully satisfied, he is asked to send the goods back, and credit will be given.

**GUARANTEE.**

***If for any reason this Emulsion is found to be unsatisfactory within one year from date of invoice, it may be returned to us for credit.***

***PARKE, DAVIS & Co.***

This Emulsion will please your customers and enhance your reputation.

A Chemist writes :—

*November 28, 1907.*

I cannot speak too highly of your Emulsion. I have stocked it for some years, and must have sold 50 gallons I have always found it of uniform excellence.

Now is the time to place your order for the season.

May we send you a sample with prices and specimens of chemist's own labels?

**PARKE, DAVIS & Co., Beak Street, LONDON, W.**

RETAIL THESE INSTEAD

AT

7½D.

OR 9½D

COSTS YOU

3/9

PER DOZEN.

*THREE DESIGNS OF CARTONS AND UNDER THREE NAMES. MAY WE RESERVE YOU ONE FOR YOUR DISTRICT?*

GAUZE COVERED WOOL, IMPREGNATED WITH CAPSICUM & METHYL-SALICYLATE. IN NEAT CARTONS 4 IN. BY 6 IN.
SERVES A SUPERIOR PURPOSE TO THE HIGHER PRICE PRODUCTS AND IS PREFERRED BECAUSE IT CONTAINS NOT ONLY CAPSICUM BUT METHYL-SALICYLATE — THAT IS WHY.

WE GIVE YOU SHOWCARDS—THEY MAKE YOU BUSINESS

PINES & BRONCHIALS

IN TINS.

THESE ARE JUST THE SORT TO SELL—NOT THE CRUMBLY SORT OF TABLETS—CRISP AND FULL OF VOLATILE OILS. VERY PUNGENT YET PLEASANT, AND WE GIVE YOU NEAT SHOWCARDS FOR WINDOW DECORATION.

PER 3/- DOZ.

SMALL ROUND FLAT.

OCTAGONAL SHAPE.

RETAIL 6D. W. B. CARTWRIGHT, LTD., MAKERS, RETAIL 6D.

RAWDON NEAR LEEDS.

CALENDAR SERIES 16

HAWKING. From a XIV Century MS.

# October

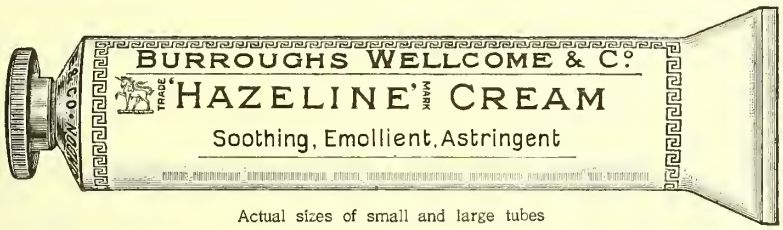
"October hath the sygne of the Scorpion
And is good for to take purgacyon
And is indifferent to let blode"


## A SEASONABLE PRODUCT

# TRADE MARK 'HAZELINE' CREAM

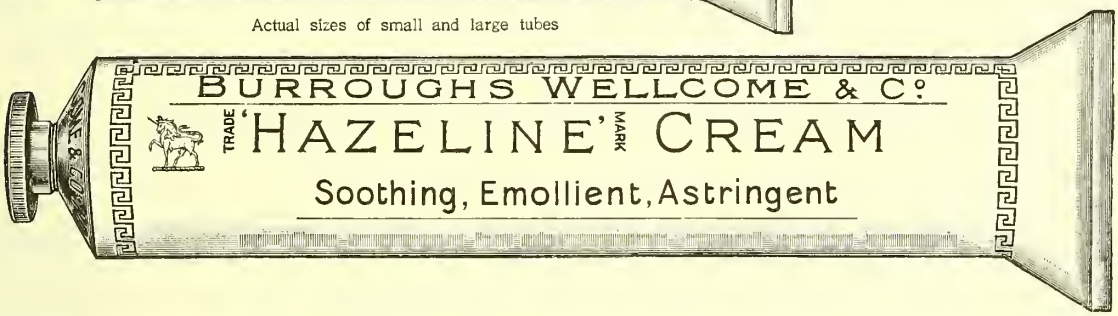
There is a keenness in the morning and evening air. Sufficient to remind ladies with sensitive skins that it is time to commence the daily application of 'HAZELINE' CREAM.

The merits of this elegant emollient are widely recognised. It forms an attractive and profitable addition to the display of seasonable toilet requisites.




*Supplied in collapsible metal tubes of two sizes, at 6/0 and 10/0 per dozen, respectively. Also in glass pots, at 11/0 per dozen. Subject*

Actual sizes of small and large tubes



**BURROUGHS WELLCOME & CO., LONDON**

NEW YORK MONTREAL SYDNEY CAPE TOWN MILAN
SHANGHAI BUENOS AIRES BOMBAY

*London Exhibition Room:* 54, WIGMORE STREET, W.

*All communications intended for the Head Office should be addressed to Snow Hill Buildings, London, E.C.*

COPYRIGHT


A *

# The British Drug Houses, Ltd.

Again offer for SEASON CONTRACTS their

"PAR EXCELLENCE"

## EMULSION OF COD LIVER OIL

WITH HYPOPHOSPHITES,

which is a

PALATABLE, PERFECT CREAM,

INSEPARABLE and PERMANENT.

IT IS PACKED

## "READY FOR RETAIL"

IN NINE DIFFERENT STYLES,
with or without CARTONS, and is
ALSO SOLD IN BULK.

Quotations for Season's Supply, with
Specimen Cartons, etc., on application to

**The British Drug Houses, Ltd.**
22 to 30 Graham Street, London, N.

THE CHEMIST AND DRUGGIST

**A Weekly Journal of the Chemical and Drug Trades**
and of
**British Pharmacists throughout the Empire.**
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is the leading journal addressing the chemical and drug trades of the British Empire. It is adopted as an official journal by nineteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa and the West Indies, and its paid-in-advance circulation in Great Britain and all Countries having business relations with the British Empire is intrinsically and numerically unique.

**Subscription Rates.**

Ten shillings a year in advance, post free to any part of the world, including a copy of *The Chemists' and Druggists' Diary* next published. Subscriptions may begin any month. Single copy, 6*d.*; Summer or Winter Number, 1*s.*; *Diary*, 8*s.* 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12·60 francs, franco.

Jährlicher Abonnementspreis: die Zeitung einmal wöchentlich, und der Notizkalender einmal im Jahre, 10 Mark, postfrei.

Precio de suscricion annual: el periodico una vez por semana, y el agenda una vez por anno, 12.60 pesetas, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

**Head Office: 42 CANNON STREET, LONDON, E.C.**

Telegrams: "Chemicus Cannon London." Telephone 852 Bank (two lines).

**Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.**

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## IN FULL SWING.

The importance of publicity in the recognised business reference-book for the drug-trade the world over is well recognised by astute advertisers. That is why firms who have chemists' goods to sell are already making sure of advertising space in

**The Chemists' and Druggists' Diary, 1913.**

The first consignment of Diaries for 1913 must be on the high seas early in November in order that *C. & D.* subscribers in far-off countries may not be disappointed. The Publisher makes it a rule to keep faith with them, so that their Diaries may be delivered by January 1. Intending advertisers can help by sending their requirements at once to The Publisher, The Chemist and Druggist, 42 Cannon Street, London, E.C.

# SUMMARY OF THIS ISSUE.

**The more notable items only are dealt with.**

### National Health Insurance.

We publish the medical benefit regulations as approved (p. 39).

Five systems of paying doctors are given, and are printed on pp. 40-41.

Provision of drugs is one of the things to be paid first out of the pool before the doctors' remuneration is determined (p. 40).

The conditions of agreement for supply of drugs and appliances by chemists are printed *in extenso*, beginning p. 41.

A list of appliances which chemists must keep in stock is given on p. 42, where also the terms of the notice for hanging in the shop are printed, as well as a special official notice to chemists.

Fees and prices are not yet fixed. See the Editorial on p. 56.

The Chancellor of the Exchequer has had an interview with doctors on that subject (p. 42).

So far the regulations are satisfactory to chemists, as they reserve all but urgent dispensing to them. A chemist who has had a bad dream to the contrary expresses himself in pictures and rhyme on p. 43.

### Articles and Communications.

For interesting notes on two kinds of buchu see p. 54.

Some useful observations on baldness are printed on p. 37.

We print more letters about chemists' assistants and drug-stores (p. 71).

"Xrayser II." questions if chemists know how to spend their holidays (p. 55).

The Patent Medicine Inquiry will be resumed in a few days. We give some advance information about new evidence (p. 57).

Heer Abrahamson, of Java, has issued a second pamphlet giving the results of a further study of quinine production, which is dealt with editorially (p. 58).

Mr. John C. Umney gives on p. 70 a selection from his published statements regarding the use of alkaline sulphite and bisulphite in essential-oil analysis.

Mr. J. Rymer Young gave the School of Pharmacy inaugural address on Wednesday. It was one of the briefest on record, but pithy, practical, pungent occasionally, illumined with humour, which was sometimes sardonic, and always pertinent to the subject—Objects and Limitations of Education. The address is printed on pp. 59-61, with a portrait of the orator.

### News of the Week.

The Customs Authorities of India have made new regulations regarding spirit-testing (p. 38).

Several interesting points in trade-law are reported, including liability for empties (p. 44).

The names of those who have passed the Minor examination in London this month are on p. 53.

Mr. J. H. Haywood, the well-known Nottingham manufacturer of elastic hosiery, died last week (p. 46).

New rates of duties for medicines, toilet specialities, and other chemists' goods have been fixed by the Argentine Republic (p. 38).

The feature of the monthly Council-meeting of the Pharmaceutical Society of Great Britain was a protest by Mr. Sargeant against a proposal that the Council should, if asked, supply the Insurance Commissioners with a list of persons and corporations who would supply to insured persons drugs and medical appliances. He contended that the list should be supplied by the Standing Committee on Insurance, which body he characterised as "an unholy alliance" (p. 49).

### Tarde and Market Matters.

The tax on the collection of buchu has been increased from 1*s.* 6*d.* to 2*s.* 6*d.* per lb.

Santonin, Matto Grosso ipecacuanha, clove and sandalwood-oils, and arsenic are dearer. Morphine, orange oil, glucose, vanilla, quicksilver (seconds), and Japanese ginger are cheaper. At the drug-auctions to-day a feature was the offering of 1,300 bales Tinnevelly senna (p. 66).

# ENGLISH AND WELSH NEWS.

**When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.**

### Brevities.

Messrs. Bradley & Bliss, Ltd., wholesale chemists, Reading, are about to engage in the manufacture of methylated spirit.

The Rugby Urban District Council have passed plans for considerable alterations and additions to the High Street premises of Boots, Ltd.

The entries for the November examination of the Spectacle-makers' Company number eighty-three, making a total for the year of 184, as compared with 101, 135, and 138 candidates for the three previous years.

The West Indian Produce Association, Ltd., 14 Creechurch Lane, London, E.C., have been awarded a gold medal at the Latin-British Exhibition, Shepherd's Bush, for their exhibits of West Indian produce.

Messrs. George Pattrick, chemists, Consett, were ordered to pay the costs of the prosecution for a breach of the Pistols Act, 1903. Defendants sold an alarm-pistol which discharged corks, and the Magistrates decided that the instrument was a pistol within the meaning of the Pistols Act.

Mr. H. C. Bedding, manager of an open surgery in Great Russell Street, London, W.C., has figured prominently in the pictorial Press as the chemists' assistant who materially aided in securing an Armenian tailor, named Stephen Titus, who is charged with shooting five persons at the Horseshoe Hotel, Tottenham Court Road, one of them fatally.

The premises of Boots, Cash Chemists, Ltd., Moorfields, London, E.C., were injured by a motor-car on Sunday evening, September 29. At 6.30 the car ran into the window, cracked the glass, and made two holes in it, but did little other damage as the blinds were down. The roller-shutters were down on Monday, and the following intimation, written with blue pencil on a piece of wrapping-paper, was pasted thereon :

Business as Usual.

Window broken by a gentleman in a hurry for a bottle of our "Carlsbad Pdr.," and could not wait till we opened.
Boots' "Carlsbad Pdr.," 1*s.* 6*d.* Makes you feel well.

### Store-prices.

Two pages are allotted to the drug department of the Civil Service Supply Association, Ltd., in the member circular for October. One of these is devoted to C.S.S.A. eau de cologne in bottles at 9*d.*, 1*s.* 4*d.*, and 2*s.* 9*d.* Elastic hosiery is also given prominence, the prices quoted being : Anklets, silk 4*s.*, cotton 2*s.* 8*d.*; knee caps 4*s.* 3*d.* and 2*s.* 9*d.*; leggings 4*s.* 6*d.* and 3*s.*; stockings 6*s.* 10*d.* and 3*s.* 11*d.*; thigh-pieces 4*s.* 10*d.* and 3*s.* 3*d.* *Additions to stock* since last month are citronella oil (bottles 5*d.* and 9*d.*), John Knight's toilet-soap (2*d.* tablet, box of twelve assorted, 1*s.* 10*d.*), and Wrigley's Spearmint pepsin chewing-gum (packet 2½*d.*). *Prices advanced* are Tidman's sea-salt (box of twelve 1*d.* packets 11*d.*), and *prices reduced*, calumba-root (1*s.* 1*d.* lb.), new season's chamomile-flowers (1*s.* 6*d.* lb.), tr. benz. simp. or tr. benz. co. (2-oz. bottle 8*d.*), tr. ferri perchlor. (2-oz. bottle 6*d.*), and tr. cinchon. (4-oz. bottle 10*d.*).

### Sunday Trading.

At a meeting of the Hull Chamber of Trade on the question of Sunday trading, Mr. Chapman, chemist, said many chemists opened on a Sunday evening in Hull. Personally he did so for some time, but gave it up as the purchases were such as could generally have been made on the Saturday. At the last meeting of the local Chemists' Association it had been agreed to devote the whole of the next meeting to Sunday trading with a view to taking united action in the matter.

### Birmingham Notes.

The recreation section of the retail drug-trade is discussing how the winter Wednesday afternoons are to be utilised. Some members suggest football, and for the less energetic the use of the covered courts in Suffolk Street.

Alderman Clayton, Ph.C., has just returned from a sojourn in North America. His impression of the street traffic in New York is that the speed of the motor-driven conveyance is terrific. Toronto and Montreal have grown enormously, he finds.

The City Analyst (Mr. J. F. Liverseege, Ph.C.) read a paper on "Adulteration in Birmingham" before a large audience at the Birmingham and Midland Institute's Scientific Society last week. There was a good sprinkling of pharmacists, who were there by invitation of the lecturer. His department of the public weal has been busy among Galen's followers during the past few weeks.

A new system of hoarding advertising is being started in Birmingham, opposite Easy Row, where the Old Wharf façade was. Magnificent posters have been pasted up, and they are lighted up at night by a long series of electric lights. An effective advertisement showing a patient in bed has been curiously mutilated on the face-part of the picture. Several attempts have been made by an artist to remedy the defect, but at present with poor results.

### Sale of Food and Drugs Acts.

The Camberwell analyst (Dr. F. L. Teed) in his annual report states that during nine months of the year no drugs were submitted for analysis, but in the course of the last quarter twenty-five samples, representing three pharmacopœical drugs and three prescriptions, were examined; of these four were not up to standard. The deficient samples were sweet nitre (2), camphorated oil (1), and ammoniated tincture of quinine (1). There are 800 drugs in the Pharmacopœia, Dr. Teed remarks, and how an efficient check is to be kept on these by submitting three, and those three in one quarter of the year, is difficult to imagine or understand. Dr. Teed contends that the unsatisfactory administration of the Sale of Food and Drugs Acts is due to neglect by the Local Government Board and the Board of Agriculture of their statutory duties.

### Chemist's Assistant's Vote.

At the Kingston-on-Thames Revising Barrister's Court on September 27, Mr. Alexander Beveridge, chemist's assistant, residing over Mr. Lowe's shop, claimed a vote on the old lodgers' list. Objection was raised on the grounds that Mr. Lowe's business was now held by a limited liability company, and that the claimant did not state whether he was sole or joint occupier. The assistant overseer said that if Mr. Beveridge ceased to be employed at the shop he would have to vacate the room. The road had recently been re-numbered, and the old number appeared on the list. Later on the manager of the company wrote that there was a housekeeper to look after the lodgers. The opposer said that these "lodgers" ought to be entered as service men, as many of the lodger claims were bogus. In the end the name was allowed to stand.

### From Various Courts.

At the West London Police Court on September 23, Alfred John Baldock, described as a chemist, was bound over in the sum of 10*l.* for threatening his wife with a revolver.

At Hastings County Petty Sessions on September 28, Arthur William Plummer, chemist's assistant, was charged on remand with embezzling the moneys of his employer, Mr. George Stanley Perrett, chemist and optician, 25 Devonshire Road, Bexhill. There were six charges in all, the sums ranging from 8*s.* 3*d.* to 1*l.* 5*s.* 9*d.* It was explained that prosecutor, who had been in poor health for some years, had left the management of the chemist's portion of his business to accused. The charges brought against the latter were of two kinds : (1) of stealing sums of money, which were clearly indicated in the books used in the business; and (2) of stealing other sums of money which, owing to the methods used, were not capable of identification, and the amounts of which could not be ascertained. It was impossible to state at present the total amount of the defalcations. Mr. G. S. Perrett, who on account of the state of his health was allowed to be seated, in his evidence stated that as regards the first three charges the amount in each case of the sales takings and of the sums received for

customers' accounts was correctly entered, but the totals were wrong. He had accepted the prisoner's figures without checking them. The accused had not paid over three sums, which represented the deficiencies on the dates named.—The Court decided to hold a special sitting at Bexhill to hear other charges. When the question of bail was raised it was mentioned that accused while on remand had removed his furniture to London. In reply it was stated that the removal had been arranged before the proceedings were instituted. Eventually the Bench fixed bail at 25*l.*, and with two other sureties of 25*l.*, or one in 50*l.*

## SCOTTISH NEWS.

**When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.**

### Brevities.

A doctor's surgery is to be opened shortly in Cowdenbeath.

Mr. R. S. Ramsay, chemist and druggist, Cardenden, Fife, has been re-elected a director of the Cardenden Gas Co., Ltd.

The Dundee Chemists' Assistants' and Apprentices' Association visited the Dundee Gasworks on September 25, and spent a profitable afternoon under the guidance of Mr. Donald.

Mr. J. F. Tocher, B.Sc., F.I.C., has completed the transfer of his pharmacy to Mr. Walker, and his address will now be The County Laboratory, Crown Mansions, 41½ Union Street, Aberdeen.

On Friday, September 27, Dr. Beddie and Mr. John H. Low, chemist, Fraserburgh, were entertained to a joint complimentary dinner in the Royal Hotel. The hosts were the local lodge of Free Gardeners and the local lodge of Ancient Shepherds. The purpose of the function was to recognise the past services rendered to these lodges by Dr. Beddie and Mr. Low, who have acted for many years as lodge doctor and lodge chemist respectively.

### Edinburgh.

An outbreak of diphtheria has caused quite a run on camphor-lockets and disinfectants of late.

Mr. W. Macdonald has purchased the business of Mr. R. Henderson, Haymarket Terrace, Edinburgh.

The Pharmaceutical Society are busily engaged fixing up scientific meetings for the winter. There will be a meeting of the Executive about the middle of October. The quarterly examinations commenced on Thursday.

The city has been extensively circularised and sampled by patent-medicine proprietors of late, and an amateur analyst (writing to an evening paper) states that he has made "most useful ink" from a supply of pills he received recently. He adds that he intends sending a testimonial to the manufacturers.

Those in charge of pharmaceutical interests in connection with the Insurance Act in Edinburgh have been lately engaged in consultation with the Scottish Commissions. Chemists consider that the regulations which are proposed are fairly satisfactory. The difficulty is the question of remuneration, and on this point it is felt that the Insurance scheme is not going to prove a gold mine.

### Glasgow and the West.

The herbalist business carried on for fifty years in Glasgow, and situated in Queen Street, has been converted into a limited company.

A fire in the glycerin department of Messrs. Ferguson, Shaw & Sons, soap-manufacturers, Gleniffer Soap-works, Lonend, Paisley, did damage to the extent of 600*l.* on September 28.

On Tuesday, October 1, the annual meeting of the directors of the Glasgow Technical College was held, Dr. G. T. Beilby in the chair. The report stated embarrassing progress. Last year 14,000 pupils attended the various classes, and extra accommodation is constantly being added. Professor Ramsay has tendered his resignation as Governor of the College, as he has now left Glasgow.

## IRISH NEWS.

**When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.**

### Brevities.

Mr. C. E. Hill, Ph.C., Hill's Medical Hall, Graigue, co. Kilkenny, has disposed of his business to Mr. J. B. Faichney, Ph.C., late of Seymour & Co., Ennis.

The Drogheda Guardians have resolved to supply each dispensary in their district with a medicine-chest so that drugs can be kept under lock and key. "It was not in the interests of the poor," said one of the Guardians, "that poisonous stuff should be left lying on the table."

The Rev. William Nicholas, M.A., D.D., a leading clergyman of the Irish Methodist Church, who died suddenly at Portrush, co. Antrim, last week, was, prior to entering the ministry, in the 'fifties with Messrs. William Dobbin & Co., wholesale druggists, North Street, Belfast.

### The Veterinary Anæsthetics Bill.

At the meeting of the South Tipperary County Council on September 25, the Chairman referred to the Veterinary Anæsthetics Bill, a private Bill which is to come before Parliament. A resolution asking the Irish members of Parliament to oppose the Bill was carried, and Alderman Condon, M.P., who was present, said the Council might rest assured that the resolution would receive prompt attention as soon as they returned to Parliament. Mr. Cullinan and he and other members would take steps to secure that the Bill would not go beyond the first reading.

## FRENCH NEWS.

**(From the "C. & D." Paris Correspondent.)**

Testing Laboratory.—The South-Eastern Federation of Pharmaceutical Societies have passed a resolution recommending the establishment of a Federal Laboratory for the testing of medicaments, etc. Local laboratories of this kind already exist in Nice and other towns. A committee composed of MM. Badel, Chevalier, and Reveillet was appointed to study the subject and draw up a report to be presented at the December general meeting.

Over the Walnuts and the Wine.—M. Mathurin, in his annual report on the work of the French Wholesale Druggists' Association, dwelt on various suggestions he had received for increasing the efficiency of the body. Certain friends (whose robust health and efficient digestion he envied) had proposed that the monthly committee meeting should be preceded or followed by a friendly banquet. One "breaks the ice," wrote the correspondent, "between the soup and the roast, and one becomes fast friends by the time cheese and fruit make their appearance." He wished to remind his colleagues that this happy notion was already, though unofficially, carried out. As a matter of fact, a little monthly gathering takes place in the palatial refreshment room of the P.L.M. railway station. As many as fifty were present at a recent gathering, including Professor Perrot, of the Paris Superior School of Pharmacy, and M. Roux, head of the anti-adulteration service, who, when speech-time came round, made the interesting statement that a circular would be issued to pharmacy inspectors with a view to bringing their zeal within legitimate and harmless channels, a promise since kept.

Apropos of Baldness.—Dr. Helme discourses in the medical feuilleton of the "Temps" on the question of baldness, with more especial reference to Dr. Bulliard's recent "Doctrinal and Practical Essay on Depilation." He points out two principal causes of baldness—(1) the physical cause, which is the heavy and close-fitting hat, and (2) headwork and worry. Even women, since the days of false hair and dyes, blue stockings, and Girton degrees, are now (if we may believe M. Brocq, the dermatologist of the Hospital St. Louis) showing signs of becoming a prey to a physical infirmity formerly practically confined to the sterner sex. Dr. Bulliard, in his

recent thesis, simply upholds and develops the theory of Dr. Lucien Jacquet, of the St. Antoine Hospital. He attributes baldness to irritation of nerve centres caused by indigestion, dyspepsia, enteritis, or any other "thorn in the flesh." To check the loss of hair, the doctor, he says, has but to find and cure the latent physical infirmity. "Let each," as old Ambroise Paré used to say, "be replaced in a proper line of living, and the forest, withering yesterday, will again become green." Even the thyroid gland may be the cause of baldness. The cause of grey or white hair is still open to discussion. M. Metchnikoff holds that the "pigmentophageous" cell "devours" the colour of the hair. This theory would explain the phenomenom of growing "white in a single night," which seems to have been scientifically proved in certain cases. As to "hair gymnastics," Dr. Helme recommends vigorous massage, morning and night, of the scalp, repeated and steady brushing of the locks, and a generally healthy life, with enlistment, when opportunity offers, in the "hatless brigade." If the hair is dry, use oil moderately; if moist, wash from time to time with a 1-per-cent. decoction of quillaia and dry carefully. As to dyes, those based on salts of lead are absolutely condemned, and those made with paraphenylenediamine should be avoided. Silver salts are less objectionable. He recommends vegetable dyes, such as fresh walnut-juice and strong tea, which are popular French dyes. He prefers henna poultices, followed by indigo-tree leaves, "a Persian product very difficult to purchase at shops."

## INDIA AND THE EAST.

**(From the "C. & D." Correspondents.)**

Chinese Essential Oils.—The exports of essential oils, particularly star-anise and cassia oils, from all China showed a notable increase in 1911 over 1910, in spite of unfavourable conditions in China, the year's record in these products being substantially complete before the critical times of the closing months of the year came on. The exports of such oils from China to all countries amounted to 921,600 lb. in 1911, as compared with 1,993,860 lb. in 1910. From two-thirds to three-fourths of this trade in all China is handled through Hong-Kong.

Opium Prohibition in China.—Edicts prohibiting the cultivation of opium in China are again being issued, now that the revolution enables officials to devote their attention to such matters. The "North China Daily News" gives particulars of one just issued by the Shanghai Magistrate, prohibiting the transport, cultivation, and smoking of opium from the end of the current year. The proclamation urges the people to devote their land to better purposes, and threatens smokers and cultivators with severe punishment if they indulge in their old habits after the end of December 1912.

Cocaine Smuggling.—Some large hauls of cocaine have lately been made by the Customs Preventive Service at Bombay, including one of 40 lb. in weight and valued at Rs. 25,600. In this instance the accused, a steward of the s.s. *Habsburg*, was sentenced to six months' rigorous imprisonment and a fine of Rs. 1,000 or six weeks more. Another steward of the same vessel, who endeavoured to smuggle 5 lb. of the drug, got five months' rigorous imprisonment and a fine of Rs. 200 or one month more. He had the cocaine carefully wrapped round his waist, arms, thighs, and calves. He had oiled paper next to his skin, with the cocaine packets placed over this and bound with cotton rags. He said he received the cocaine from a man in Trieste. The smuggling appears to be carried on through the medium of Continental steamers exclusively.

Testing of Spirits.—The Government of India have issued detailed instructions for testing spirits in Custom Houses. Drugs, medicines, and chemicals containing spirit are assessable on the actual strength as ascertained in the laboratory, subject to a minimum of 5 per cent. *ad valorem*. Sweetened spirits, cordials, bitters, and toilet-preparations containing spirit are assessable on the liquid gallonage if not entered for test, and on the ascertained true strength if entered as to be tested, subject to a minimum of 5 per cent. *ad valorem*. Spirit that has been effectually and permanently rendered unfit for human consumption, liqueurs, and perfumed spirits is assessable on liquid gallonage. Rectified spirit of wine and other high-strength silent spirits are assessable on their strength as indicated by Sykes' hydrometer, but may be tested for obscuration at option of the collector.

## "Patents" in the Argentine.

In our issue for July 13 (index folio 40) we reported on the regulations made by the Board of Health regarding the sale in the Republic of pharmaceutical products and mineral waters. Since then the National Senate has passed a financial measure imposing a new scale of duties on imported medicines and toilet specialities. The duties which are of interest to exporters from this country are as follows:

1. On essences, extracts, lotions, and generally every kind of perfumes in bottles, pots, or jars, powders, pomades, pastilles, cosmetics, tinctures, soaps, in whatever form, and every article for toilet or hygienic use, whatever its country of origin, will pay on the following scales:

| | |
|---|---|
| Those sold up to $1 inclusive ... ... ... | 5c. |
| Above $1 and up to $2 inclusive ... ... ... | 12c. |
| Above $2 and up to $3 inclusive ... ... ... | 21c. |
| Above $3 and up to $4 inclusive ... ... ... | 32c. |
| Above $4 and up to $5 inclusive ... ... ... | 45c. |

Above $5 at the rate of 15c. for every dollar of legal national currency.

2. Medicinal specialities will pay on every bottle, tube, jar, box, envelope, or any other enclosure:

| | |
|---|---|
| Those sold up to 41c. inclusive ... ... ... | 1c. |
| Above 41c. and up to $2 inclusive ... ... | 5c. |
| Above $2 inclusive ... ... ... ... ... | 10c. |

3. Medicinal specialities and all toilet articles in general which may already bear the duty-stamp, and which it may be wished to be sold at a higher price, shall pay the new duty which corresponds to them in additional stamps in accordance with the sale-price established in the foregoing scale.

4. Natural mineral waters will pay 5c. per bottle and artificial mineral waters will pay 10c. per bottle.

5. Veterinary specialities will pay for each package up to 100 kilos. ... ... ... ... 5c.
For each package of more than 100 kilos. ... 10c.

6. These duties will be charged on each bottle, jar, box, tube, envelope, packet, or any other retail sale unit.

7. Any article whatever of those involved in this law which may be found in the territory of the Argentine Republic after 120 days following the promulgation of this Act without the corresponding stamp or fiscal band will be considered as fraudulent.

8. The receiving of the duties put in force by the present Act will be under the charge of the Department of Internal Duties.

9. In everything that regards inspection and fiscal regulations on articles referred to in this Act, the regulations under No. 3764 will be applicable.

10. Exceptions to the duties referred to in Articles 1 and 2 of the present Act are those soaps whose sale-price to the public shall be less than 41c. each in national currency.

A correspondent, referring to the new duties, states that "the retail trade in the Argentine intend to charge interest on the capital locked up in stamps, which means that an article now priced at $2 m/n, bearing a stamp valued at 5 centavos, and sold at $2.05, will in future have to bear a stamp of 10 centavos, and may be sold in one pharmacy at $2.10 and in another at $2.15 or $2.20. Manufacturers will probably find it expedient now to fix a retail price, inclusive of stamp-duty."

South-Western Polytechnic Institute.—The new prospectus of the South-Western Polytechnic Institute, Manresa Road, Chelsea, S.W., which has been issued this week, contains particulars of an evening course in the various subjects for the Pharmaceutical examinations. The classes in pharmacy, dispensing, and materia medica are on Mondays, Mr. H. B. Stevens, Ph.C., A.I.C., being the instructor. Pharmaceutical chemistry (lecturer, Mr. J. B. Coleman, A.R.C.Sc.) is on Tuesday, and botany can be taken on either Wednesday or Thursday, the teacher in the last-named subject being Mr. H. J. Jeffery, late lecturer at the School of Pharmacy of the Pharmaceutical Society.

# NATIONAL INSURANCE ACT.

## The conditions upon which medical practitioners may attend patients, and those upon which chemists may dispense prescriptions and they and others may supply drugs and appliances are given in Regulations now published.

### Medical Benefit Regulations.

We are indebted to the English Insurance Commissioners for advance proofs of provisional regulations made by the Joint Committee acting jointly with the Insurance Commissioners, the Scottish Insurance Commissioners, and the Welsh Insurance Commissioners, as to the administration of medical benefit. The Regulations are published to-day (October 4), and are in the form of a twenty-nine page octavo pamphlet, arranged as follows :

Part I.—*General.*

1. Short title, and
2. Interpretation.

Part II.—*Provision of Medical Attendance.*

3. Duty of Committee to make arrangements.
4. Negotiations with Societies.
5. List of deposit contributors.
6. Conditions of service of practitioners.
7. Submission of arrangements.
8. Preparation and submission of rules.
9. Income limit.
10. Approval by Commissioners.
11. Invitation to practitioners.
12. Preparation of medical list.
13. Power to require persons to make their own arrangements for treatment.
14. Power to allow persons to make their own arrangements.
15. Contribution to cost of treatment.
16. Approval of institutions.
17. Publication of medical list.
18. Distribution under capitation system.
19. Distribution under system of payment by attendance.
20. Choice of methods of obtaining treatment.
21. Preparation of lists.
22. Revision of lists.
23. Insured person applying during currency of medical list.
24. Practitioner applying during currency of medical list.
25. Notice of change of address.
26. Notice of suspension of medical benefit of insured person.
27. Changes during currency of medical list.
28. Amount applicable for payment of practitioner.
29. Calculation of remuneration under single system.
30. Calculation of remuneration under combined system.
31. Accounts to be rendered quarterly.

Part III.—*Provision of Drugs and Appliances.*

32. Prescribed appliances.
33. Prices of drugs and appliances.
34. Conditions of dispensing medicines.
35. Arrangements for supply by practitioners of drugs and appliances.
36. Submission of arrangements.
37. Notice to persons desirous of undertaking supply.
38. List of persons undertaking supply.
39. Right of insured person to obtain drugs and appliances.
40. Revision of list of drugs and appliances.
41. Right to discontinue supply.
42. Inclusion in revised list.
43. Inclusion during currency of list.

Part IV.—*Special Provisions.*

44. Persons temporarily resident outside the County.
45. Temporary absence from the area of practice of practitioner selected.
46. Mileage.
47. Old and disabled Members of Friendly Societies.
48. Committee for dealing with complaints.
49. Duty of Local Medical Committee to consider complaints.
50. Inquiry as to practitioner.
51. Method of inquiry.
52. Inquiry as to person supplying drugs or appliances.
53. Method of inquiry.
54. Approval of forms by Commissioners.
55. Application to Seamen's National Insurance Society.
56. District Committees.
57. Application to Scotland.
58. Application to Wales.
59. Regulations subject to powers reserved to Commissioners.

In an introductory note the Committee certify that the regulations should come into force immediately, and acting jointly with the Scottish Insurance Commissioners declare the Regulations to come into force forthwith. We print the text of Part III. in full as being of direct and immediate interest to the retail drug-trade, and make extracts from the rest of the regulations which may be of service. The interpretations follow the lines of the Act and include the following :

"Committee" means the Insurance Committee for any County or County Borough.

"Society" means an Approved Society.

"Member" means a member of a Society who is an insured person under the Act entitled to medical benefit.

"Insured Person" means an insured person under the Act entitled to medical benefit.

"Practitioner" means a duly qualified medical practitioner, and, where the Regulations refer to a practitioner attending an insured person, includes a practitioner attending the insured person in lieu of the practitioner in accordance with the terms of his agreement with the Committee.

"Chemist" means any person, firm, or body corporate, entitled to carry on the business of a chemist or druggist under the provisions of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908.

"Treatment" means medical attendance and treatment of insured persons.

"Drugs" includes medicines.

"Institution" means a system or institution existing on December 16, 1911, and providing medical attendance and treatment.

Regulations for Doctors.

The conditions of service of practitioners are to be made by the Committees after consulting Local Medical Committees, and the Commissioners are to be advised of what arrangement is come to, submitting particulars to the Commissioners, showing separately the amounts proposed to be paid in respect of the cost of medical benefit and the administration thereof. The Committee have also to furnish the Commissioners with a statement of the income limit, if any, proposed to be fixed by the Committee. The Commissioners before approving are to consider any representations made by Local Medical Committees. Regulation 13 provides that in cases where an income limit is fixed the Committees may require persons whose income exceeds that limit to make their own arrangements for receiving treatment (including medicines and appliances), and such persons shall not receive medical benefit under the arrangements made by the Committees. The fourth clause of this Regulation is as follows :

Any Society or Association of deposit contributors, having members resident in the County, or the Local Medical Committee, or, where no Local Medical Committee exists, any practitioner on the panel, or any chemist or other person, firm, or body corporate undertaking the supply of drugs or appliances under these Regulations may at any time, by notice in writing to the Committee, dispute the right of any insured person to receive medical benefit under the arrangements made by the Committee, on the ground that the income of that person exceeds the income limit and that he is not entitled to be exempted.

If the Committee is satisfied it will require the person to make his own arrangements. Regulation 14 enables the Committee to allow any person to make his own arrangements, and 15 provides for payment to all persons who make their own arrangements as follows :

There shall be paid to every insured person required or allowed to make his own arrangements by way of contribution to the cost of his treatment (including medicines and appliances)—

(*a*) in the case of a person who has contracted to obtain treatment (including medicines and appliances) for the year, a sum equal to the amount contracted to be paid

by him for that treatment, or, where that amount exceeds the sum available in respect of his medical benefit for the year, the amount so available; and

(*b*) in the case of any other such person, a sum bearing the same proportion to the expense, if any, incurred by him in obtaining treatment (including medicines and appliances), calculated in accordance with a scale of fees fixed by the Committee, as the aggregate amount available for the medical benefit for the year of all such other persons bears to the sums expended by them in obtaining treatment (including medicines and appliances), but in no case exceeding the expense so incurred by him.

There is nothing more in the Regulations about medicines, drugs, and medical and surgical appliances in the other Regulations up to 28, all being concerned with the relations with practitioners: we append 28 in full. It is entitled

Amount Applicable for Payment of Practitioners.

(1) For the purpose of determining the amount of remuneration payable to each practitioner on the panel, the Committee shall, at the end of each year, determine the total amount to be applied in defraying the cost of the medical benefit of insured persons obtaining treatment from practitioners on the panel, and shall deduct from that amount the amounts payable in respect of (*a*) the provision of drugs and prescribed appliances; (*b*) mileage; and (*c*) the cost of the medical benefit during periods of temporary residence outside the County of insured persons usually resident in the County and entitled to obtain treatment from a practitioner on the panel.

(2) There shall be paid to each practitioner on the panel out of the sum remaining after making the deductions aforesaid (in these Regulations referred to as the "net fund") an amount calculated in accordance with the method of remuneration adopted by the Committee.

The first schedule to the Regulations deals in Part I. with the conditions of service for practitioners, the fifth of which is—

The practitioner shall order in the form provided by the Committee for the purpose such drugs and prescribed appliances as are requisite for the treatment of any patient other than those which the practitioner may be under arrangement himself to supply: Provided that if the practitioner orders any drug not included in the list from time to time supplied by the Committee to the practitioner or orders any drug for a person not usually resident in the County, he shall give such orders on special forms for those purposes provided by the Committee.

Part II. of the schedule is as follows:

Methods of Remuneration of Practitioners undertaking Treatment.

A.

Capitation System.—The rate of shillings a quarter, that is to say the period of three months preceding the last day of March, June, September, and December respectively, in respect of each person included in the list of the practitioner, the number of those persons during any quarter to be ascertained by adding the number of persons included at the close of that quarter to the number of persons included at the commencement of the quarter and dividing the total by two.

[*Note.*—An adjustment will be required in the case of a practitioner being placed on the panel after the commencement of any quarter.]

B.

Capitation System *plus* Payment for Special Services.—In priority, the rate of shillings a quarter, that is to say the period of three months preceding the last day of March, June, September, and December respectively, in respect of each person included in the list of the practitioner, the number of those persons during any quarter to be ascertained by adding the number of persons included at the close of that quarter to the number of persons included at the commencement of the quarter and dividing the total by two.

[*Note.*—An adjustment will be required in the case of a practitioner being placed on the panel after the commencement of any quarter.]

Other rates for all or any of the following special services: £ s. d.

(1) Special visit, *i.e.*, visit paid by the patient's desire on the same day as a call received after A.M., or on Sunday ... ... ...
(2) Night visit, *i.e.*, visit paid between the hours of 8 P.M. and 8 A.M. in response to a call received between those hours ... ... ...
(3) Consultation:
  (*a*) for the ordinary attendant ... ...
  (*b*) for the consultant (if himself a practitioner on the panel) ... ... ...
(4) Surgical operation requiring local or general anæsthetic ... ... ... ... ... ...
(5) Setting of fracture ... ... ... ... ...
(6) Reduction of dislocation ... ... ... ...
(7) Administration of general anæsthetic ... ...
(8) Treatment of tuberculosis in so far as the patient is not entitled to obtain such treatment as part of sanatorium benefit:
  (*a*) per visit ... ... ... ... ...
  (*b*) per attendance at practitioner's residence, surgery, or dispensary ...
(9) Treatment of abortion or miscarriage in so far as not included in maternity benefit ... ...

C.

Capitation System *plus* Payment for Services.—In priority, the rate of shillings a quarter, that is to say the period of three months preceding the last day of March, June, September, and December respectively, in respect of each person included in the list of the practitioner, the number of those persons during any quarter to be ascertained by adding the number of persons included at the close of that quarter to the number of persons included at the commencement of the quarter and dividing the total by two.

[*Note.*—An adjustment will be required in the case of a practitioner being placed on the panel after the commencement of any quarter.]

Other rates for the following services: £ s. d.

(1) Visit to the patient's residence ... ... ...
(2) Attendance on the patient at the practitioner's residence, surgery, or dispensary ... ...
(3) Special visit, *i.e.*, visit paid by the patient's desire on the same day as a call received after A.M., or on Sunday ... ... ...
(4) Night visit, *i.e.*, visit made between the hours of 8 P.M. and 8 A.M. in response to a call received between those hours ... ... ...
(5) Consultation:
  (*a*) for the ordinary attendant ... ...
  (*b*) for the consultant (if himself a practitioner on the panel) ... ... ... ...
(6) Surgical operation requiring local or general anæsthetic ... ... ... ... ...
(7) Setting of fracture ... ... ... ... ...
(8) Reduction of dislocation ... ... ... ...
(9) Administration of general anæsthetic ... ...
(10) Treatment of tuberculosis in so far as the patient is not entitled to obtain such treatment as part of sanatorium benefit ... ...
  (*a*) per visit ... ... ... ... ...
  (*b*) per attendance at practitioner's residence, surgery, or dispensary ... ...
(11) Treatment of abortion or miscarriage in so far as not included in maternity benefit ...

D.

Payment for Special Services *plus* Capitation System.—In priority, rates for all or any of the following special services: £ s. d.

(1) Special visit, *i.e.*, visit paid by the patient's desire on the same day as a call received after A.M., or on Sunday ... ... ...
(2) Night visit, *i.e.*, visit made between the hours of 8 P.M. and 8 A.M. in response to a call received between those hours ... ... ...
(3) Consultation:
  (*a*) for the ordinary attendant ... ...
  (*b*) for the consultant (if himself a practitioner on the panel) ... ... ... ...
(4) Surgical operation requiring local or general anæsthetic ... ... ... ... ... ...
(5) Setting of fracture ... ... ... ... ...
(6) Reduction of dislocation ... ... ... ...
(7) Administration of general anæsthetic ...
(8) Treatment of tuberculosis in so far as the patient is not entitled to obtain such treatment as part of sanatorium benefit ... ...
  (*a*) per visit ... ... ... ... ...
  (*b*) per attendance at the practitioner's residence, surgery, or dispensary ... ...
(9) Treatment of abortion or miscarriage in so far as not included in maternity benefit ... ...

A further rate of shillings a quarter, that is to say the period of three months preceding the last day of

March, June, September, and December respectively, in respect of each person included in the list of the practitioner, the number of those persons during any quarter to be ascertained by adding the number of persons included at the close of that quarter to the number of persons included at the commencement of the quarter and dividing the total by two.

[*Note.*—An adjustment will be required in the case of a practitioner being placed on the panel after the commencement of any quarter.]

E.

Payment by Attendance.—Rates for the following services: £ s. d.

(1) Visit to the patient's residence ... ... ...
(2) Attendance on the patient at the practitioner's residence, surgery, or dispensary ...
(3) Special visit, *i.e.*, visit paid by the patient's desire on the same day as a call received after A.M., or on Sundey ... ... ...
(4) Night visit, *i.e.*, visit made between the hours of 8 P.M. and 8 A.M. in response to a call received between those hours ... ... ...
(5) Consultation:
(*a*) for the ordinary attendant ... ...
(*b*) for the consultant (if himself a practitioner on the panel) ... ... ... ...
(6) Surgical operation requiring local or general anæsthetic ... ... ... ... ... ...
(7) Setting of fracture ... ... ... ... ...
(8) Reduction of dislocation ... ... ... ...
(9) Administration of general anæsthetic ... ...
(10) Treatment of tuberculosis in so far as the patient is not entitled to obtain such treatment as part of sanatorium benefit ... ...
(*a*) per visit ... ... ... ... ...
(*b*) per attendance at practitioner's residence, surgery, or dispensary ... ...
(11) Treatment of abortion or miscarriage in so far as not included in maternity benefit ...

The Regulations then proceed to deal with the

Provision of Drugs and Appliances.

These being of the greatest importance to our subscribers, we print them without abbreviation or alteration.

Prescribed Appliances.—32. The medical and surgical appliances to be provided as part of medical benefit shall be the appliances mentioned in the Second Schedule to these Regulations.

Prices of Drugs and Appliances.—33. (1) With a view to making arrangements for the supply of drugs and appliances the Committee shall (*a*) prepare a list of the prices which the Committee are willing to pay for the drugs ordinarily supplied and for the prescribed appliances; and (*b*) determine the conditions upon which it is proposed to invite chemists and other persons, firms, or bodies corporate (all of whom are in these Regulations included in the expression "chemists or other persons") to undertake the supply of drugs or appliances or both.

(2) The Committee shall embody particulars of those prices and conditions in draft agreements which shall include the terms and conditions specified in the Third Schedule to these Regulations, with the necessary modifications in the case of a person undertaking to supply drugs or appliances only, or not entitled to dispense medicines, and with such other modifications as the Committee may, subject to the approval of the Commissioners, think fit.

Conditions of Dispensing Medicines.—34. The Committee shall determine the form and manner in which notice is to be given to chemists and other persons desiring to supply drugs or appliances or both, and the form in which any such chemist or other person may intimate his acceptance of those terms and conditions, but that notice shall state that no person shall be entitled to dispense medicines for insured persons under the arrangements made with chemists and other persons by the Committee other than a chemist who undertakes that all medicines supplied by him to insured persons under the arrangements made by the Committee shall be dispensed either by or under the direct supervision of a registered pharmacist or by a person who, for three years immediately prior to December 16, 1911, has acted as a dispenser to a practitioner or a public institution.

Arrangements for Supply by Practitioners of Drugs and Appliances.—35. (1) The Committee may make arrangements for the supply by practitioners on the panel of all or any of the following: (*a*) drugs which are necessarily or ordinarily administered by a practitioner in person; and (*b*) drugs and appliances required for immediate administration or application, or required for use before a supply can conveniently be obtained otherwise under these Regulations.

(2) Where the Committee are satisfied that an insured person by reason of distance or inadequacy of means of communication will have difficulty in obtaining any necessary drugs or appliances from a chemist or other person on the list the Committee shall make arrangements for the supply to such person by the practitioner attending him of such drugs or appliances as would otherwise under these Regulations have been supplied by a chemist or other person on the list.

Submission of Arrangements.—36. (1) The Committee shall as soon as may be submit for the approval of the Commissioners the arangements proposed to be made by the Committee for the supply of drugs and appliances and in particular: (*a*) the draft agreements determined by the Committee; (*b*) the form and manner of notification to, and acceptance by, chemists and other persons of the terms and conditions upon which persons shall undertake the supply of drugs or appliances or both; and (*c*) the arrangements made by the Committee for the supply by practitioners on the panel of drugs and appliances.

(2) Subject to any alterations made in pursuance of the requirements of the Commissioners, any arrangements so made by the Committee and approved by the Commissioners shall have effect for such period as may be specified in the approval.

Notice to Persons Desirous of Undertaking Supply.—37. The Committee shall, as soon as the Commissioners have notified their approval of the arrangements made by the Committee, give notice, in the form and manner approved in accordance with the last preceding Regulation, of the terms and conditions upon which persons shall undertake the supply of drugs or appliances or both, and of the form and manner in which acceptance may be notified, and that notice shall specify a period, not being less than fourteen or more than twenty-one days, within which a chemist or other person is entitled to make application to be included in the list first to be issued.

List of Persons Undertaking Supply.—38. (1) After the expiration of the period specified in the notice the Committee shall prepare a list of the names and addresses of the chemists and other persons who have signified their acceptance, indicating whether they have undertaken to supply drugs or appliances or both, and distinguishing those who are entitled to dispense medicines.

(2) The list shall have effect until January 1 of the year succeeding that for which it is prepared.

(3) A copy of the list shall be sent to every practitioner on the panel and shall be available for the inspection of insured persons at the office of the Committee and in such other way as the Committee may think fit.

(4) The Committee shall supply to every chemist or other person included in the list a copy of the medical list and every chemist or other person shall exhibit at his place of business a notice in the form prescribed in the Fourth Schedule to these Regulations indicating that he has undertaken to supply drugs or appliances or both, as the case may be, under the arrangements made by the Committee.

Right of Insured Persons to Obtain Drugs and Appliances.—39. (1) Every insured person obtaining medical benefit under the arrangements made by the Committee shall be entitled to obtain as part of his medical benefit such drugs and prescribed appliances as may be ordered for him by the practitioner attending him from any chemist or other person whose name is on the list and who is entitled and has undertaken to supply those drugs or appliances.

(2) An insured person shall not be entitled to obtain from a chemist or other person on the list any appliance if the Committee have made provision for lending that appliance.

(3) Where any drug not included in the list of drugs is ordered or supplied by a practitioner the price payable by the Committee shall be such as may be fixed by agreement or in default of agreement determined by the Commissioners.

Revision of List of Drugs and Appliances.—40. (1) The Committee shall not later than two months before the date of revision in every year, after consultation with the Local Medical Committee, submit for the approval of the Commissioners a statement of any alterations which the Committee may desire to make in the price of drugs and prescribed appliances, and where the Commissioners have prescribed any further appliances of the prices which the Committee are prepared to pay for those appliances.

(2) The Commissioners shall subject to the alterations, if any, which they may require to be made by the Committee approve the statement.

(3) The Committee shall as soon as may be after such approval send a copy of the statement to every chemist or other person included in the list and to every practitioner on the panel.

Right to Discontinue Supply.—41. (1) Any chemist or other person desiring to have his name removed from the

list shall give notice in writing of his desire to the Committee not later than one month after the issue to him of the statement of alterations made by the Committee, or where no statement has been issued not later than one month before the date of revision, and thereupon his name shall be removed from the list.

(2) Any chemist or other person not giving such notice to the Committee shall be deemed to have undertaken to supply drugs or appliances or both upon the same terms as in the previous year, subject to such modifications as are mentioned in the statement of alterations, if any, issued to him by the Committee.

Inclusion in Revised List.—42. (1) Any chemist or other person may make application to the Committee in any year not later than one month before the date of revision to be included in the revised list and shall thereupon unless he has previously been excluded from the list by the Commissioners be included in the revised list.

(2) As soon as may be after the date of revision the Committee shall prepare a revised list.

(3) A copy of the revised list shall be sent to every practitioner on the panel and shall be available for the inspection of insured persons at the office of the Committee, and in such other way as the Committee may think fit.

Inclusion During Currency of List.—43. (1) Where a chemist or other person commences to carry on business in the County during the currency of the list and desires to undertake the supply of drugs or appliances or both under the arrangements made by the Committee he shall upon application to the Committee be entitled forthwith to be included in the list.

(2) Where upon the death of a chemist included in the list the business is carried on in accordance with the provisions of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, by his legal personal representative or the trustee of his estate, that legal personal representative or trustee shall be deemed to be a person included in the list so long as the business is carried on by him in accordance with the provisions of those Acts.

*The Second Schedule.*

List of Appliances.

Bandages.—Calico, bleached; calico, unbleached; crepe; domette; flannel; indiarubber; muslin; plaster of Paris.

Gauzes.—Unmedicated, boric, carbolic, cyanide, sal-alembroth, sublimate.

Lints.—Unmedicated, boric, sal-alembroth.

Wools.—Cotton, wood.

Oiled Silk, Guttapercha Tissue, Adhesive Plaster, Ice-bags, Splints.

Catheters.—Gum-elastic, soft rubber.

*The Third Schedule.*

Conditions of Agreement for Supply of Drugs and Appliances by Chemist.

1. The chemist will be prepared to supply, and so far as practicable will keep in stock, the drugs and medical and surgical appliances specified for the purpose.

2. The chemist will, with reasonable promptness, supply to any person presenting an order for drugs or appliances in a form provided by the Committee for the purpose, and signed by any practitioner on the panel or his deputy, such drugs or appliances as are so ordered.

3. All drugs and appliances shall be of good quality, and shall be supplied at a price covering the cost of retailing and dispensing, and calculated by reference to the prices specified for the purpose, and in the case of substances to which the provisions of Section 5 of the Poisons and Pharmacy Act, 1908, relate, the provision of proper bottles and other vessels, and any drug, the price of which is not so specified, shall be supplied by the chemist at a price to be agreed with the Committee or in default of agreement to be determined by the Commissioners. [*Note.*—These particulars will be contained in a Schedule to the agreement.]

4. The dispensing of medicines shall be performed either by or under the direct supervision of a registered pharmacist or by a person who for three years immediately prior to December 16, 1911, has acted as a dispenser to a practitioner or a public institution.

5. All drugs and appliances shall be supplied free of charge to the person presenting such order.

6. It shall be a condition of undertaking the supply of drugs or appliances or both that the Act and the Regulations made by the Commissioners and in force for the time being in the County are incorporated with and form part of the other conditions, and that any agreement entered into by a chemist shall cease to have effect in the event of the Commissioners exercising any of the powers conferred on them by the proviso (i) to Sub-section (5) of Section 15 of the Act or suspending medical benefit.

*The Fourth Schedule.*

Form of Notice to be Exhibited by Persons undertaking the Supply of Drugs or Appliances or both.

NATIONAL INSURANCE ACT.

(*Name of Person or Firm contracting.*)

Under contract with the Insurance Committee for the County [*or* County Borough] of .....

To dispense medicines.
To supply drugs.
To supply drugs (except scheduled poisons).
To supply appliances.

[*Note.*—Strike out words not applicable.]

There is nothing in Part IV. directly affecting chemists, except that the Committees are every year to determine the sum to be expended in defraying the cost of medical benefit for insured persons residing temporarily outside their own areas.

## Special Notice.

Every pharmacist, before replying to any communication from Insurance Committees relating to the supply of drugs, medicines, and appliances, is urgently requested to communicate with the Local Associations Officer, 17 Bloomsbury Square, London, W.C.

The Chancellor and the Doctors.

The following official statement was issued on Wednesday evening, October 2:

The Chancellor of the Exchequer received to-day at the Treasury Sir Clifford Allbutt and the seventeen other medical members of the Advisory Committees appointed under the National Insurance Act, who desired to place before him certain considerations affecting the question of medical remuneration under the Act, and the possibility, which was understood to be receiving the attention of the Government, of the funds available for this purpose under the Act being supplemented by a further Parliamentary grant.

The deputation expressed their appreciation of the national importance of the medical service which must be developed in connection with the Insurance Act, and submitted to the Chancellor several points which appeared to them to justify, in the public interest, additional financial provision being made.

The Chancellor indicated that the considerations brought by the deputation under his notice would receive the most careful attention of the Government, and expressed his sense of the great public service which had been rendered by the medical members of the Advisory Committees in continuing their work upon the subject and advising him upon it at the present juncture. He further stated that he would confer with his colleagues in the Cabinet at the earliest possible date, and hoped to be in a position to make known their decision on the matter in the course of the week beginning October 14.

The Chancellor is to receive on Friday next, the 4th inst., those members of the Advisory Committees who represent insured persons to hear their views on the subject.

Are Residents in Hospitals "Employed"?

Application having been made to the Insurance Commissioners for the determination, under Section 66, of the question whether resident medical officers or other qualified resident officials at a hospital are employed by the hospital authorities under a contract of service within the meaning of the National Insurance Act, the Commissioners give notice that a hearing of parties interested will take place at the Civil Service Commission, Burlington Gardens, London, W., on Tuesday, October 22, at 2.30 p.m. Any persons interested, who desire to be heard before the decision is given, should give not less than three days' notice to the Insurance Commissioners of their intention to attend or be represented at the hearing. Statements in writing made by persons affected will be considered if submitted not later than October 21.

Exemption of Apprentices.

Mr. Thomas Guthrie, President of the Chemists' Friendly Society, writing in regard to the Commissioners' memorandum on this subject (*C. & D.*, September 28, index folio 498), calls attention to some undesirable consequences of exercising their right to exemption, and adds:

As noted in the communication to which reference has been made, an apprentice to whom the Act applies may

claim a certificate of exemption under Section 2 if he can prove that he is either

(*a*) In receipt of an income of 26*l.* per year or upwards, not dependent upon his personal exertions; or

(*b*) Ordinarily and mainly dependent for his livelihood upon some other person.

The guardian and employer of the apprentice who thinks of securing exemption under (*b*) will do well to remember (1) that exemption holds during apprenticeship only; (2) that in any case the employer is obliged to contribute his portion of insurance premium; (3) that the contribution by the employer avails nothing in the way of benefits to the apprentice; and (4) since on completion of term of apprenticeship the assistant must, if employed, come into insurance, he will require, if that date be later than July 1913, either to pay an increased premium or a lump sum sufficient to secure him sickness benefit at full rate, or to accept reduced benefits unless he can prove that his time since he attained seventeen years of age has been spent in indentured apprenticeship or under instruction without wages. The Section of the Act bearing on this is 9 (4), and I suggest that it be studied by those concerned before coming to a resolution.

### Notes.

Councillors Milner Black and E. G. Yates are the two pharmacist representatives on the Sub-Committee of nine chosen by the Brighton Insurance Committee to deal with medical benefit.

The Cardiganshire County Insurance Committee at the meeting held at Lampeter on September 20, took no action in respect to requests from the Pharmaceutical Standing Committee on Insurance that more pharmacists should be placed on the Sub-Committee to be appointed to consider the medical benefit scheme.

## The Ballad of the Blasted Hope.

*A Chemist's Dreadful Dream.*

Once the Chemist had a grievance which upon him sorely pressed,
When a circumstance arose which made him think he'd be redress'd.
For a clever Scheme was fathered by a Man from gallant Wales
That would give him back "Dispensing" and increase his sundry sales.

"This Act would crush for ever the dispensing Medico."

Now "Dispensing" was his own by right; for many years he'd fought
To keep the Sacred Privilege that by blood and brain he'd bought;
But it, too, was wrested from him by the Doctor down the way,
And our friend took to prescribing just to make the business pay.
So the Chemist liked the Welshman's plan (although it must be said
There were other things this Welshman did he'd rather do instead);
Thus his heart was filled with thankfulness, his visage all aglow—
For the *Act would crush for ever the dispensing Medico.*

And "Xrayser" for the Chemist prophesied a brighter day,
Though "Jay Mack" (the mercenary) hinted it would never pay;
But the Chemist and the Doctor, when you spoke to them apart,
Each declared they only had the public interest at heart.

Then the Doctor met and told the man from gallant little Wales,
"Unless you have *my* valued help your legislation fails;
On *my* support your cherished Scheme will surely stand or fall,
And *I* must have Dispensing, or I won't help you at all."

The Welshman shrugged his shoulders, softly whispered "Wait and see!
When the Act's in operation you will get a good fat fee";
But the Doctor rose in anger, and he said "That's not enough;
If you don't give me Dispensing I will cut up jolly rough."

The Doctor firmly stood his ground, concessions came his way,
Till the Chemist dimly wondered whether what was left would pay;
But he hugged the consolation "Although it may be found
He isn't crushed quite utterly, at *least he's firmly bound.*"

"At least he's firmly bound."

The Chemist loved his cherished Hope and nurtured it with care,
It brightened up the Present, made the Future seem so fair;
But, in spite of careful nursing, It grew weaker day by day,
Till it looked just like a "skellington," I've heard the people say.

The more the Doctor did for It, the worse the infant grew,
The precious Hope was going fast, sad, sad, but very true;
And I do not like to say it, tho' perhaps you ought to know,
But this took his thoughts completely from *Pro bono publico.*

"The Chemist loved his cherished Hope."

"He went clean off his dot."

One grey morning when the Chemist woke he found he'd lost his Hope,
So with trembling hands he disinterred his dusty microscope,
But tho' he used his strongest lens he could not find a trace
Of that which made him feel himself the favoured of the race.

With frenzied haste he hurried out to find what had occurred;
The thought that he'd been "left" again seemed really too absurd;
But the horrid truth broke slowly, and he went clean off his dot,
For the Chemist had indeed been dished—*the Doctor took the lot.*

* * *

The bell rang loud, insistent, shrill; the dreamer started up,
"Oh! what a horrid dream," he cried. "That was a bitter cup
I felt that I would have to quaff; but now it seems all fair—
We'll get our own, and so will Doc. We are a lucky pair!"

# LEGAL REPORTS.

## TRADE LAW.

**Law of Returned Empties.**—At the Manchester County Court on September 30, Judge Mellor, K.C., gave his decision in the case of J. M. Beckett & Son, Ltd., *v.* William Richardson, which was an action for the return of a number of chemical carboys. Dr. Atkinson, for the plaintiffs, said the point at issue was whether the contract between the parties had been varied by certain correspondence. The plaintiffs supplied chemicals in the carboys, and on each of their delivery-notes appeared the words "Carboys not returned charged to account." The defendant had taken up the position that he was not responsible for empties, because when some empties were charged for he wrote saying he would not be held responsible for them. Mr. Wragge, for the defence, said that as far back as 1907 the defendant wrote disclaiming responsibility, and he contended that if the plaintiffs chose to still accept orders this disclaimer became a condition of the contract. His Honour held that if he wished to repudiate responsibility the defendant should have expressly stipulated in each order that it was only sent subject to the terms of the disclaimer. He gave judgment for the plaintiffs for 8*l.* 5*s.*, and costs.

**"Cincola."** In the Shoreditch County Court on September 30, before Judge Smyly, K.C., F. Hewthorn & Co., Ltd., of 70 Finsbury Pavement, E.C., sued Christopher F. Button, Swan Hotel, Needham Market, to recover 2*l.* 15*s.* 6*d.* for "Cincola" and other drugs supplied. The defendant admitted 18*s.* of the claim, but denied that he ever ordered the Cincola, which is quinine and cod-liver oil in tablet form for cattle. Defendant explained that the Cincola was supplied to a Mr. Williams, who, finding it of no use, threatened to put it in the street if not removed immediately. In his dilemma the traveller went to the defendant and asked him to mind it, which he said he would. It had lain at his place for twelve months, and was just the same as when it was delivered there. The plaintiffs' traveller said Mr. Williams from the start was dubious about using the stuff, not because he thought it was of bad quality, but because of the difficulty in getting the men to use it in the right way. He was quite sure the defendant gave an order for the Cincola. Judge Smyly said the plaintiffs had not made out their case, and there would be judgment for them for only the admitted amount—18*s.* On the defendant's application he allowed the expenses of defendant and a witness of coming to town.

**A Chemist's Manager gets Compensation.**—In the Shoreditch County Court on September 30, before Judge Smyly, K.C., Wm. Edgar Fisher, 239 Wells Street, Hackney, chemist's manager, sued Messrs. J. Morgan Davis & Sons, 278 Bishopsgate, E.C., chemists, under the Workmen's Compensation Act for an award owing to two accidents. According to the applicant's statement of claim, he was working in one of the respondents' shops at 239 Wells Street, Hackney, on August 2, 1911, when his left thumb caught in a drawer. Part of the thumb was removed in consequence of the injury, and he cannot bend it now. Again, on November 28, applicant was opening a bottle and his right thumb was cut by the broken glass. Blood-poisoning supervened, and in consequence of that injury the thumb had become permanently useless. At the present time the use of the right hand and arm is only partially recovered, but it is hoped that this incapacity will be only temporary. He hoped to get some wages, but would have great difficulty owing to his incapacity, and he considered his possibilities were about 28*s.* a week, as against the 2*s.* 18*s.* a week he had been earning as manager. He had been receiving 1*l.* a week from August 2, 1911, to September 23, then 1*l.* a week from November 18 to June 8, 1912, when the payments stopped. When the case was called on it was stated the parties had come to an agreement, the terms being that the applicant received 75*l.*, and 15*l.* would be paid by way of costs. His Honour agreed to this sum.

**Drainage from a Chemist's Shop.**—In the Shoreditch County Court on September 30, before Judge Smyly, K.C., Thos. Ed. Jamain, 34 Pitfield Street, Hoxton, an eating-house keeper, and Mary Ann Augusta Glover, a married woman, 21 Marlborough Avenue, Reading, sued Mr. Thomas Edwards, chemist and druggist, trading as Wm. Godfrey, 36 Pitfield Street, Hoxton, to recover 60*l.* damages for injury done to plaintiff's business. Mr. Cairns, barrister, appeared for the plaintiff, and Mr. A. E. Robinson for the defence. Mr. Cairns explained that he alleged that the defendant caused to proceed down the rain-pipe certain noxious and vile-smelling chemicals, which poured on and percolated into his premises. This not only did damage to the plaintiff's shop, but drove away most of his customers, as they could not stand the vile smells while they were eating. He understood there was a counterclaim for 7*l.* 7*s.*, the position being that both parties alleged that the other was the cause of damage to their respective premises. So far as could be ascertained, the noxious chemical was carbon bisulphide, and he had a chemist in court who would give evidence as to its properties and powerful odour. The plaintiff was called and bore out his counsel's statement. Witness was cross-examined at some length by Mr. Robinson, and it transpired that there is a cess-box on plaintiff's premises, and the defendant has the right to run his waste away down that pipe, so that it was for the plaintiff (his Honour remarked) to see that it was clear, and if he failed to do so he had only himself to blame. Without calling upon the defence, Judge Smyly said there was no case, and entered judgment for the defendant, with costs. It was then intimated that the counterclaim would not be proceeded with; but Mr. Robinson asked for the costs of the various inspectors he had in court to give evidence as to the condition of the premises, also for the costs of taking photographs, and a special fee for himself. Judge Smyly granted Mr. Robinson 5*l.* 5*s.* as his fee, and allowed all the costs asked for.

## Sale of Food and Drugs Acts.

Oil of Almonds.

At the Burnley Police Court on Wednesday, October 2, Nehemiah Tomlinson, chemist and druggist, and Jesse Tomlinson, Padiham Road, were summoned under Section 6 of the 1875 Act for selling as almond oil an oil which the public analyst certified to be apricot-kernel oil. The Town Clerk (Mr. Thomas) said that the defendant, Nehemiah Tomlinson, carries on business at 110 Padiham Road, Burnley, and on August 19 sixpennyworth of oil of almonds was purchased in his shop by an agent of the inspector. The sample was divided into three parts, and the Borough Analyst's certificate of analysis included the following observations:

"The sample of oil of almonds received contained 100 parts of apricot-kernel oil, and no one part of genuine almond oil, and was not therefore of the nature and quality demanded by the purchaser."

The Town Clerk insisted that it is no part of a chemist's business to substitute for the article asked for some other article which, in his (the chemist's) opinion, might be quite as good for the purpose it was asked for.

Before evidence was called, Mr. A. Riley, for the defence, raised a legal technicality regarding the wording of the summons. Having read Section 6, he submitted that the offence was not of selling one drug for another, but of selling a drug to the prejudice of the purchaser. In the summons against defendant there was no allegation that there was any prejudice to the purchaser.

The Town Clerk: It is not necessary to state in the summons that it is to the prejudice of the purchaser. Are not the words, "Is not of the nature, substance, and quality demanded by the purchaser" quite sufficient? I ask for the summons to be amended.

Mr. Riley here objected, and contended that the prosecution had no power to amend the summons.

The Town Clerk: You have, if the amendment does not prejudice defendant's case.

After some discussion the case was adjourned for a fortnight.

# BANKRUPTCY REPORT.

**Re William Migge,** 10 Eastcheap, E.C., Proprietary Medicine Vendor, trading as the Leciform Co. and the Selecta Manufacturing Co.—The first meeting of the creditors under this failure was held on Tuesday at the London Bankruptcy Court, before Mr. W. P. Bowyer, Official Receiver. Having called over the proofs of debt, the Chairman reported that it appeared from the debtor's statement that he came to this country from Germany in 1907, and started dealing in a brain-nerve food styled Antineurasthin. He had a borrowed capital of 300*l.*, and traded as the Antineurasthin Co. For the purposes of the business the debtor entered into a contract with a German firm for the manufacture of the food. He

expended a considerable amount of money in advertising the food, and worked up a good business, making in the first year a turnover of about 6,000*l.* About the end of 1909 the manufacturing firm in Germany supplied to his agent in Australia under the contract food which was utterly unfit for consumption, the result being that his connection and trade both in England and Australia were ruined. The German firm gave the debtor credit for certain sums in his account with them, but made a claim against him for a balance due to them, obtained a judgment for 225*l.*, and the business was practically stopped. Previous to the collapse a company was registered as the Antineurasthin Co., Ltd., to take up the business; the debtor acted as managing director, and as vendor he held the whole of the shares. The company, however, had done no business during the last two years, and no present value was placed upon its shares. About 1909 the debtor initiated another business for the sale of "Samol," an ointment for the alleviation of rheumatism. He entered into contracts with a firm at Vienna for the supply of this ointment, and spent a good deal of money in advertising it. However, he found himself unable to meet his advertising accounts owing to his being short of money, but principally to the collapse of his Antineurasthin business, and he gradually got behind with his payments, and in the spring of 1910 he made a private arrangement with his creditors. The debtor subsequently continued the business with a capital of 750*l.* provided by his wife, who afterwards advanced him further sums, and was a present creditor for 2,000*l.* He took up a nerve and brain food called "Leciform," carrying on the business in the names of the Leciform Co. and the Selecta Manufacturing Co. Some time ago he again found himself short of capital with which to meet his advertising accounts as they became due, and consequently fell behind with his payments. Creditors pressed, and the debtor endeavoured to float a company to take over his business. He also tried to effect a settlement with the petitioning creditors, but was unable to do so, and these bankruptcy proceedings were instituted. The statement of affairs was not lodged, but the debtor roughly estimated his liabilities at 5,000*l.* and his assets at about 168*l.* In the absence of any proposal the case was left with the Official Receiver to be wound-up in bankruptcy.

## DEEDS OF ARRANGEMENT.

**Swanson, A. J. R.,** Worcester, Pharmacist.—We are informed that the amount of the claim of Messrs. Ayrton, Saunders & Co., Ltd., of Liverpool, is 15*l.* 17*s.* 5*d.*, and not 85*l.*, as reported last week.

**Smith, Cyril Carver,** 334 Alfreton Road, Nottingham, Chemist.—Trustee, W. H. Harlow, Parliament Street, Nottingham. Dated, September 18; filed, September 25. Liabilities unsecured, 457*l.*; estimated net assets, 250*l.* The creditors include: T. F. Bristow & Co., Ltd. (6*l.*); F. Newbery & Sons, Ltd. (7*l.*); Wright, Layman & Umney, Ltd. (12*l.*); A. H. Cox & Co., Ltd., Brighton (3*l.*); Wyleys, Ltd., Coventry (28*l.*); E. H. Butler & Son, Leicester (14*l.*); Evans Sons Lescher & Webb, Ltd., Liverpool (60*l.*); Blyton, Astley & Co., Manchester (4*l.*); J. Quilliam & Co., Manchester (9*l.*); Dennis & Roberts, Nottingham (9*l.*); Gray & Selby, Ltd., Nottingham (9*l.*); Newball & Mason, Nottingham (7*l.*); Sir Thos. White's Trustees (c/o, etc.), Nottingham (180*l.*); J. Smith, Nottingham (81*l.*).

## GAZETTE.

### Partnerships Dissolved.

Darling, G. W., and Day, W. G., carrying on business as Darling & Day, Alverstoke Pharmacy, 81 Stoke Road, Gosport, chemists and druggists. The business will be continued by Mr. Darling.

Howlin, A. J., and Chaffer, H., Central Drive and King Street, Blackpool, physicians and surgeons, under the style of Howlin & Chaffer.

Camphor-planting in Sumatra.—A correspondent of the "London and China Telegraph" at Medan (Sumatra) writes: Several of our local planters are about to give camphor a trial here. According to all accounts it should be a profitable crop, paying anything from 150 to 300 per cent. profit on outlay.

## LIMITED COMPANIES.

### New Companies Registered.

**The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O.. Registered Office.**

Tokalon, Ltd. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, merchants, etc. The first directors are E. V. Neal, M. F. Pratt, and J. Strong. R.O., Tokalon House, 212-14 Great Portland Street, London, W.

Sedways Trovatolo, Ltd. (P.C.).—Capital 5,000*l.*, in 1*l.* shares. Objects: To manufacture and deal in certain medicinal preparations known as Sedways Trovatolo, and to carry on the business of chemists, druggists, manufacturers of and dealers in all medicines and medical preparations and drugs, etc. R.O., 110 Cannon Street, E.C.

Compagnie des Eaux Minerals de l'Artois, Ltd.—Capital 12,000*l.*, in 1*l.* shares. Objects: To exploit the sources of mineral waters in the North of France, and particularly the source of the Sante at Givenchy-lez-la-Bassee (Pas de Calais), to establish thermal stations, etc. M. Leon Denis is chairman and managing director for life, with power to appoint other directors.

Griesheim Elektron, Ltd. (P.C.).—Capital 5,000*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, manufacturers of and dealers in electrical, chemical, photographic, surgical, and scientific apparatus, etc. The subscribers and first directors are E. Weber, 28 Paul Ehrlichstr., Frankfurt o/M.; J. A. Sparenborg, 45 Albion Street, London, W.; and E. A. Rehder, 29 Mincing Lane, E.C.

Grosvenor Pharmacy, Ltd. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To take over the business of chemists carried on at 2 Beaufort West, Bath, as "A. C. Olds & Co.," and to adopt an agreement with A. C. Olds and W. J. Spurway. The first subscribers are J. L. S. Gordon, A. C. Olds, and W. J. Spurway. J. L. S. Gordon is sole managing director, subject to holding 550 shares. R.O., 2 Beaufort West, Bath.

Kolawitch Co., Ltd. (P.C.).—Capital 1,000*l.*, in 2*s.* 6*d.* shares. Objects: To prepare, manufacture, and deal in the preparation known as "Kolawitch," and to carry on the business of chemists, druggists, manufacturers of proprietary articles, etc., and to adopt an agreement with the Kolawitch Co., Ltd. (incorporated 1897), and E. Gaskell. The subscribers and first directors are Mrs. S. M. and Miss A. Brooksbank. R.O., 71 Upper Parliament Street, Nottingham.

Charles C. Williams, Ltd. (P.C.).—Capital 7,000*l.*, in 1*l.* shares. Objects: To take over the business of a wholesale and retail oil and colour merchant, drysalter, paint and varnish dealer, and druggist, carried on by C. C. Williams in Broad Street, Birmingham, as the "Francis Williams Oil Co.," and to adopt an agreement with C. C. Williams and Jane Williams. The subscribers are C. C. Williams and Mrs. T. C. Williams.

John Jakson & Co. (Mitcham Road), Ltd. (P.C.).—Capital 40,000*l.*, in 1*l.* shares. Objects: To carry on the business of growers of mint, lavender, herbs, and horticultural produce of any other kind, distillers of extracts and essences, etc., and to acquire the business carried on at Croydon, Wallington, and Westcott, and elsewhere in Surrey as "John Jakson & Co." The subscribers are P. A. Lelasseur and Miss Blanche Lelasseur. The first directors are P. A. Lelasseur (governing director) and Baptistine A. Lelasseur. R.O., Mitcham Distillery, Mitcham Road, West Croydon.

### Company News.

Evans Sons Lescher & Webb, Ltd.—Warrants for the half-year's dividend on the 5 per cent. cumulative preference shares, due on October 1, have been posted.

Stephen Smith & Co., Ltd.—Applications are invited by the directors for an issue of 50,000 6*l.* per cent. cumulative (and participating) preference shares of 1*l.* each, ranking *pari passu* with the original preference shares, at a premium of 2*s.* per share. In addition to the fixed cumulative preferential dividend at the rate of 6 per cent. per annum, these preference shares are entitled, after a dividend of 10 per cent. has been paid on the ordinary shares, to rank equally with the ordinary shares for any further dividend.

Surinam Tonka-beans.—According to "De Indische Mercuur," the firm of E. Dranger & Co., Paramaribo, has been granted the exclusive right to collect tonka-beans from the trees growing in a portion of the Crown lands in Beneden and Boven Saramaccarivier. The concession is for one year.

## BIRTHS.

Baker.—At Abbey Street, Nuneaton, on September 22, the wife of C. B. Baker, Ph.C., F.S.M.C., of a daughter.

Maw.—At "The Cedars," Nutfield, on September 29, the wife of Mowbray-Trentham Maw (Messrs. S. Maw, Son & Sons, Aldersgate Street, London), of a son (Michael Trentham).

Phillips.—At Waterloo House, Tenby, South Wales, on September 29, the wife of H. Gordon Phillips, chemist and optician, of a son.

## MARRIAGES.

Birkbeck—Heath.—At Bailgate Wesleyan Chapel, Lincoln, by the Rev. H. Batt, on October 2, Alexander Standon Birkbeck, chemist and druggist, to Florence Mary, second daughter of the late Mr. W. Heath.

Ellis — Watson-Will. — At Brixton Independent Church, by the Rev. Bernard J. Snell, M.A., B.Sc., on September 28, Robert William Ellis, foreign branch of the London City and Westminster Bank, Ltd., to Violet Constance, the daughter of the late Mr. W. Watson-Will, F.C.S., F.L.S., Principal of the Metropolitan College of Pharmacy, Kennington, and of Mrs. Watson-Will, Mount Lodge, Streatham Hill, London, S.W.

Hills—Morton.—At St. Oswald's Church, Glasgow, by the Rev. Gordon Quigg, on September 28, Arthur Hyde, son of Mr. Walter Hills, Past President of the Pharmaceutical Society of Great Britain, and of Mrs. Hills, Westbury, Ryde, I.W., to Mary, daughter of Mr. William and Mrs. Morton, of Norwood, Balloch, N.B.

Hughes—Ligat.—At the Congregational Church, Bramhall, Cheshire, on September 27, by the Rev. W. Phillips Cousins, M.A., B.D., assisted by the Rev. Francis Wrigley, B.A., W. Griffiths Hughes, Ph.C., of Bramhall and Manchester, to Jessie Lyon, daughter of Mr. John Ligat, of Bramhall.

Taylor—Dowson.—At the Parish Church, Colne, Lancs, by the Rector, the Rev. Dr. Duval, on September 26, William G. Taylor, chemist, Bournemouth, to Edith, daughter of the late Mr. Jos. Dowson, chemist, Colne.

West—Redfern.—At the Parish Church, Cobham, Surrey, on September 25, Bernard Parsons West, Cobham, to Emily Mary, daughter of Mr. John Redfern, chemist and druggist, Post Office Place, Cobham.

Woodwark — Robinson. — At St. Peter's, Cranley Gardens, London, S.W., on September 26, by the Rev. T. Thistle, vicar of Eling, Southampton, uncle of the bride, assisted by the Rev. W. S. Swayne, vicar of the parish, Arthur Stanley Woodwark, M.B., M.R.C.P., son of the late Mr. George S. Woodwark, J.P., and of Mrs. Woodwark, Croylands, King's Lynn, to Hilda Mary, youngest daughter of Mr. R. A. Robinson, D.L., J.P., and Mrs. Robinson, Putney.

## DEATHS.

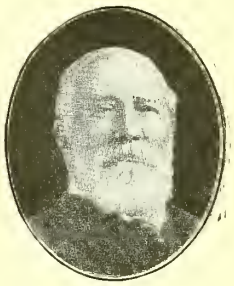
Clarkson.—Recently, Mr. Wm. Laurence Clarkson, for forty-seven years with Messrs. Bell, Sons & Co., wholesale druggists, Lydia Ann Street, Liverpool, aged sixty-two.

Crail.—At Victoria Road, Annan, on September 26, after an operation, Isabella Sutherland (Sybil), younger daughter of Mr. John Crail, chemist, Annan, aged eight.

Dixon.—At St. Botolph's, Ashey Road, Ryde (I.W.), on September 10, Mr. Henry Dixon, Ph.C. Mr. Dixon was formerly in business in Union Street, Ryde, retiring over thirty years ago. He took an active part in public affairs, serving on the Town Council, the Isle of Wight Board of Guardians, the old School Board, and the Union Assessment Committee.

Holloway.—On September 20, Mr. John Holloway, chemist and druggist, late of 121 Euston Road, London, N.W. Mr. Holloway was in business prior to the Pharmacy Act of 1868.

Haywood.—At Nottingham, last week, Mr. J. H. Haywood, of Shrewsbury House, Alexandra Park, Nottingham, and of Messrs. J. H. Haywood, Ltd., surgical-appliance makers, Castle Gate, Nottingham, aged seventy-eight. Mr. Haywood took a keen interest in public affairs, giving much attention to educational matters. He was also greatly interested in Church work. He was appointed on the Commission of the Peace for the city in 1905. There was a large attendance at the funeral on September 30, many public bodies and local associations being represented. The first portion of the service was conducted at St. Ann's Church, the interment taking place at Nottingham Church Cemetery. The chief mourners included Miss Emily Flintoff Haywood (daughter) and Mr. W. Rowden (director of Messrs. J. H. Haywood, Ltd.)



Mr. J. H. Haywood.

Kirkness.—On October 1, suddenly, at his residence, 2 Queen's Road, Kingston Hill, Surrey, Mr. John Kirkness, of Messrs. E. D. & F. Man, produce brokers, 7 Mincing Lane, London, E.C. Sympathetic reference was made to the death of Mr. Kirkness at the spice-auctions this week.

Mitchell.—On September 18, Mr. John Mitchell, chemist and druggist, Banstead, formerly of 2 The Parade, Tilbury Dock, Essex. Mr. Mitchell passed the Modified examination in 1869.

Senior.—On September 26, Mr. Joseph Senior, chemist and druggist, 2 Compton Street, Eastbourne, aged fifty-one. Mr. Senior, who died after an illness of several months' duration, was a native of Northwich, and served his apprenticeship there with Mr. Lee. Thence he went to Budden's in Liverpool, and later still to Mr. Elmer Pettinger (Hampstead), Malden's (Brompton Road), and Deane's (Maida Vale) in London. He afterwards managed a business for Mr. Deane in South Norwood. Mr. Senior took the Minor from Westminster College in 1886, and first went to Eastbourne in 1887 as manager for Mrs. Attenborough. He purchased the business from the latter in 1888. Mr. Senior had been local Divisional Secretary since 1900, and was one of the founders of the Eastbourne Pharmacists' Association. He was the Association's first President, holding office for two years (1901 and 1902). He was also actively associated with several local organisations, being one of the founders of the Eastbourne Northern Counties Association, acting as Chairman since its foundation in 1908. As a Freemason he was associated with the founding of the "Royal Connaught" Lodge; he became Master in its second year. He had filled the office of Provincial Senior Grand Deacon, and was also a member of the "Anderida" Lodge. The funeral took place on September 30, a choral service being held at 1 P.M. at St. Peter's Church. A large number of local pharmacists attended, those present including Mr. J. Forbes (President), Messrs. H. R. Browne, Geo. A. Harmer, W. Price, F. Temple, C. H. Temple, J. Routley, Arthur Mills, Arthur Moss, Bridger, Branson, Stovin, and D. Marchant (Hon. Secretary). The interment took place at Ocklynge Cemetery.

Gums and Resins valued at 26,161*l.* were exported from the Philippine Islands during 1911, against 20,337*l.* during 1910 and 20,890*l.* during 1909. The essential oils exported were valued at 11,535*l.*, against 9,489*l.* in 1910 and 15,722*l.* in 1909.

Institute of Ophthalmic Opticians.—The next evening meeting will be held in the rooms of the Royal Society of Arts, John Street, Adelphi, London, W.C., on October 17, when Dr. W. Ettles, F.R.C.S., will lecture on "Myopia." Mr. J. Harcombe Cuff (Hon. Secretary), 25 Friern Barnet Road, N., will be pleased to send tickets to any chemist-optician who desires to be present.

# TRADE NOTES.

The firm of Hermann Mayer Senior, vanilla importers, completed the fiftieth year of their establishment in the City of London on October 1.

Messrs. Thomas Christy & Co., Old Swan Lane, London, E.C., have a new telephone number and exchange—viz. City 4278-4279, and their telegraphic address is now Christyfen Cannon London (two words).

A Winter Supplement.—Messrs. Burgoyne, Burbidges & Co., manufacturing chemists, Coleman Street, London, E.C., have published a winter supplement to their catalogue of counter requisites. It deals with specialities which the chemist needs for autumn and winter trade, such as "cream" cod-liver oil emulsion, cough-mixtures, malt-extract, throat-pastilles, and toilet-creams. The list gives illustrations, prices, and other particulars of each article.

Bovril Bonus.—Bovril, Ltd., 152 to 166 Old Street, London, E.C., have, in view of the approach of the winter season, with consequent increase in the demand for bovril, again instituted their retailers' bonus system. The offer is to pay a 5-per-cent. cash bonus on all orders received between September 16 and October 31 inclusive, calculated on the gross purchases. The company will send fuller details of the offer to any of our readers who communicate with the head office.

Glidine Compounds.—Messrs. Menley & James, Ltd., Menley House, Farringdon Road, London, E.C., announce by circular that they have from October 1 reduced the price of their tablet preparations—iodoglidine, bromoglidine, luesan, and arsan. These, which are retailed in tubes at 2*s*. each (minimum 1*s*. 11*d*.), cost 1*s*. 6*d*. each under the new scale. In the case of ferroglidine the prices per tube are retail 1*s*. (minimum 11*d*.), wholesale 9*d*. Arrangements have also been made for exchanging old stock, about which inquiries should be directed.

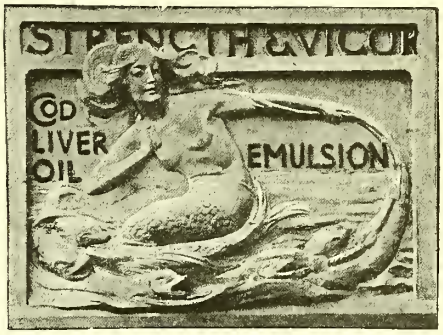
Messrs. S. Maw, Son & Sons, Aldersgate Street, London, E.C., in the last issue of their "MSS." say:

The publication of "Maw's Page" in The Chemist and Druggist of October 19 will complete the first year of issue of this popular weekly record of the progress of the "House of Maw." The production has involved the use of between 13,000 and 14,000 printed words and a series of illustrations unique in trade advertising. To make "Maw's Page" attractive, useful, and interesting is our constant policy. That our efforts are appreciated we have ample proof. There is something *new* in nearly every "Maw's Page."

We cordially agree that Messrs. Maw have made their weekly announcements such a feature in each of our issues that they are looked for and studied well.

The "Zudor" Jacket.—Messrs. Cuxson, Gerrard & Co. Ltd., Corporation Street, Birmingham, have introduced in six sizes a most useful, absorbent cotton-wool and gauze-tissue jacket, for wearing by those who are affected by any chest or lung trouble. It is worn as shown in the engraving, and the material is white, quilted, and well finished, to tie on with tapes. It promises to be, as the makers say, "a boon to nurses and mothers in cases of pneumonia, bronchitis, and asthma," its absorbent quality being not the least commendable of its virtues. No. 1 jacket, measuring 8 in. across the chest and 6 in. from shoulder to waist, retails at 9*d*., and the other five sizes are proportionately large, with a difference in price of 3*d*. for each size, No. 6 thus retailing at 2*s*. Full particulars as to the wholesale terms, and specimen handbills descriptive of the jackets (the design of which is registered), can be obtained from the makers, Messrs. Cuxson, Gerrard & Co., Ltd., at the above address.

Cod-liver Oil Emulsion.—The illustration shows a plastic model for advertising cod-liver oil emulsion which




is being offered by Messrs. Evans Sons Lescher & Webb, Ltd., Liverpool and London, to purchasers of certain quantities of their emulsion. Particulars of this offer and of other winter medicines are given in an eight-page circular which we have received this week. The demand for season goods is likely to be somewhat earlier than usual owing to the unfavourable summer through which the country has passed.

Oriental Tooth Powder is now put on the market by Messrs. Jewsbury & Brown, Ardwick Green, Manchester, the originators and proprietors of Oriental Tooth-Paste, whose popularity at home is rivalled by the demand for it in the British Dominions beyond the Seas and in the United States. The new powder is a white, impalpable powder, which the manufacturers have succeeded in freeing absolutely from grittiness, so that it is an effective cleanser without being injurious to the dental enamel. It is guaranteed by Jewsbury & Brown under the U.S.A. Food and Drugs Act, 1906. The powder is put up in a flat tin to retail at 6*d*., and in a canister tin to retail at 1*s*. (P.A.T.A. face value in both cases), showing a good profit. The tins are beautifully decorated, in style closely resembling Crown Derby china. The flat tin, as well as the canister, has an orifice in the side measuring $\frac{1}{4}$ in. long and $\frac{1}{12}$ in. deep, which is opened by turning round the lid, so that "a dash" can be put on the tooth-brush without removing the lid—a great convenience. The firm supply an elegant showcard with the powder, which we reproduce. The card is beautifully coloured, the containers in facsimile of the originals.

An Optimist is the man who looks after your eyes; a pessimist is the man who attends to your feet, wrote the school-boy.

Chemical Society.—The Becquerel Memorial-lecture will be delivered by Sir Oliver Lodge in the Large Theatre, Burlington House, Piccadilly, London, W., on October 17. Admission is by ticket only.

Bournemouth Pharmaceutical Association.—The annual dinner will be held in the Gervis Hall Restaurant on October 30. Tickets (5*s*. each) from Mr. W. A. Bingham, Hon. Secretary, 58 Charminster Road.

Society of Chemical Industry.—An informal dinner will take place at the Criterion Restaurant, London, on October 23, when the medal of the Society will be presented to Sir Wm. Crookes, O.M., F.R.S., by Dr. Rudolph Messel, F.R.S., who will preside.

## PERSONALITIES.

**Notes for this section sent to the Editor should be authenticated and must not be in the nature of advertisements.**

Mr. R. H. Collins, the 1912-13 Fairchild Scholar, is taking his course of study at the School of Pharmacy, Bloomsbury Square.

Mr. A. Millidge, chemist and druggist, 47 High Street, Newport (I.W.), has been appointed treasurer of the Albany Lodge of Mark Masons, of which he is a Past Master.

Mr. A. E. Holden, of Messrs. Fairchild Bros. & Foster, Albert Chambers, Holborn Viaduct, London, E.C., has returned from his vacation in Canada and the United States.

Councillor J. V. Mainprize, chemist and druggist, has presented an enlargement of his portrait in oils to the Corporation as a memento of his year of office as Mayor of the town.

Alderman H. Potter, J.P. (Potter & Clarke), has declined the offer to act as Mayor of Stepney for another year. Mr. B. S. Straus, J.P., is prominently mentioned as his successor.

Mr. Thomas J. Keenan, F.C.S., who got his early training in pharmacy in Dundee, has been appointed editor of "The Practical Druggist," New York, and will continue to act as managing editor of "Paper."

Mr. Astell J. Willson, Messrs. C. J. Hewlett & Son's South African representative, has arrived in Cape Town per the R.M.S. *Armadale Castle*. While at home Mr. Willson was admitted to the Freedom of the City of Dublin.

Mr. C. Bagaroff, otto-of-rose distiller, Kezanlik, was recently elected as deputy to the Bulgarian Sobranje for the county of Kezanlik, his opponent being another otto-of-rose distiller, who formerly held a seat in the Sobranje.

Mr. J. Owain Evans, chemist and druggist, who was formerly in business at 18 Wilton Road, Victoria, London, S.W., has been appointed an Inspector for North Wales under the National Insurance Act, at a salary of 350*l*., rising to 500*l*. Mr. Evans is a native of Criccieth, and served his apprenticeship with the late Mr. Jenkins, chemist, Portmadoc. He passed the Minor examination in January 1898, and after starting in business on his own account became a member of the Westminster City Council, on which he devoted special attention to sanitary matters and public health. Mr. Evans is a well-known member of the advanced party of the Celtic fringe, and has been taking an active part in the exposition of the National Insurance Act.

## BUSINESS CHANGES.

**Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.**

The Sanitary Wood Wool Co., Ltd., have removed from Thavies Inn to 49 Farringdon Street, London, E.C.

A Fine New Frontage has been fitted by Messrs. S. Maw, Son & Sons in the pharmacy of Messrs. Schacht, Warner & Co., Fore Street, London, E.C., recently acquired by Messrs Frizell & Co.

Mr. G. F. Barratt, chemist and druggist, 418 Brixton Road, London, S.W., informs us that Messrs. Quin & Axtens, Ltd., are continuing his business as a drug department, and he is remaining with them, and not moving the business to other premises as stated in our issue of September 7.

Boots, Ltd., have opened their new Lancaster premises at "Boots' Corner." There is an entrance in Penny Street, and a large frontage to Common Garden Street. The shop was originally a café. The new shop is on the opposite side of the street to the old one, which is now "to let."

The Pharmacy owned by Mr. J. G. Atkinson, Ph.C., for nearly twenty-five years at 25 Westow Hill, Upper Norwood, London, S.E., has been purchased by Mr. J. W. Barton, who has been his assistant for the last six months. The business will be carried on under the style of Atkinson & Co.

Mr. Lionel Laurance, Official Instructor to the Spectacle-makers' Company, and optical tutor, has removed to 14, 15 and 16 Temple House, Temple Avenue, London, E.C., where, in conjunction with Mr. H. Oscar Wood, he will carry on the Institute of Optics. The institute is well equipped with apparatus for demonstration work.

We noted in our issue of June 1, 1912, that Smart-Dalgleish & Co., wholesale and retail store chemists, Georgetown, Demerara, had decided to alter their title to Brodie & Rainer, Ltd. Under date of September 14 it is now announced that Smart-Dalgleish & Co., Ltd., has been taken over by Brodie & Rainer, Ltd., who have assumed the assets and liabilities as a going concern. The business will be under the management of Mr. F. I. Larrouy.

Messrs. Bell, Hills & Croyden, Ltd., 50 Wigmore Street, London, W., have just added to their premises the adjoining shop, No. 50A, in which hitherto a pianoforte business has been carried on. They have taken a long lease of the premises, which will double the size of the existing pharmacy. The wall between the two shops is being removed, and the greater part of No. 50A will be fitted up as a reception-room, which will be under the charge of a lady attendant, and retiring-rooms are to be installed for the fitting on of surgical appliances. Apart from the specimen cases the reception-room will be similar to the waiting-rooms of consultants in the neighbourhood. Since Messrs. Bell, Hills & Croyden removed their amalgamated businesses to Wigmore Street they have greatly developed their trade in surgical dressings and other requirements for operations, and the extension of the premises will now give them opportunity for still further developing business in surgical appliances. Mr. John Marshall, the managing director, has been visiting the Continent for the purpose of getting the latest ideas in connection with this department of the business.

## TRADE-MARKS.

**Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.**

**The figures in parentheses refer to the classes in which the marks are desired.**

(*From the "Trade-marks Journal," September 25, 1912.*)

"Nawajan"; for a veterinary preparation (2). By Holt Green & Co., 3 Pelham Street, South Kensington, S.W. 344,878.

"Culexine"; for an insect-destroyer (2). By C. Richter & Co., 59-61 New Oxford Street, London, W.C. 344,930.

"Neutrigen"; for a medicated food (3). By G. W. B. Palmer, 8 York Place, Brighton. 343,347.

"Nordost" and picture of jackdaw on weathercock; for cough-lozenges (3). By T. Meinecke, Luneburgerstrasse 16. Winsen-an-der-Luhe, Hanover. 342,816.

Label device including words "Kondon Catarrhal Jelly," and portrait; for a medicine (3). By the Kondon Mfg. Co., 2608 Nicollet Avenue, Minneapolis, U.S.A. 343,257.

"Doriform" and "Soriform"; for antiseptic medicines (3). By Chemische Fabrik von Heyden Actien Gesellschaft, 103 Leipzigerstrasse, Radebeul, near Dresden. 343,797/8.

"Zebu"; for a medicine (3). By G. Norris, 33 Paxton Road, St. Albans. 344,232.

"Aseptone"; for medicinal chemicals (3). By Reynolds & Branson, Ltd., 14 Commercial Street, Leeds. 344,473.

"Aminalgesine"; for chemical and pharmaceutical products (3). By Kalle & Co., 23 Rheinstrasse, Biebrich-on-the-Rhine. 344,606.

"Somnura"; for medicated wine (3). By Bendall & Co., 313 Cambridge Road, London, E. 344,848.

"Lux" and label device; for medicinal chemicals (3), for soap, etc. (47), and for perfumery, etc. (48). By Lever Bros., Ltd., Port Sunlight, Cheshire. 344,904/6.

# PHARMACEUTICAL SOCIETY
## OF GREAT BRITAIN.

### Council-meeting.

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on October 2. Mr. Currie, Mr. Cuff, and Mr. Harrison were absent owing to pressing engagements and other causes. The Treasurer stated that 500*l.* is to be added to the Life Members' Reserve Fund, this being a similar amount to that set aside two years ago. From the Benevolent Fund grants amounting to 92*l.* 10*s.* were made to seven persons. It was also agreed to elect on December 10 four more annuitants on the fund. Eight candidates are to be put forward. The report of the Local Associations Committee brought the interesting announcement from Mr. Rowsell, Chairman of the Standing Committee on Insurance, that the Regulations are on the point of being issued. He emphasised the friendly relations that exist between the Committee and the Insurance Commissioners. Mr. Sargeant made a spirited protest against the use of the funds of the Society in compiling, if requested to do so by the Commissioners, a list of firms and persons entitled to go on the panel for the dispensing and supply of medicines. He referred to the Standing Committee on Insurance as "an unholy alliance," on account, apparently, of the inclusion of representatives of limited companies, and said that no man could do "magnificent work for the Government" and look after pharmacy at the same time. Mr. Rowsell answered this attack quietly but effectively, by pointing out that there is a difference between "Government" and "party," and reminding Mr. Sargeant of the duties of citizenship. There were several other speakers, and Mr. Sargeant was appealed to to withdraw his motion for rejecting the report of the Local Associations Committee, but refused to do so. In the end he was the sole protestor against the adoption of the report. The President also referred to the Regulations regarding Medical Benefit, which he said are on the point of being made public. He hoped the Regulations would commend themselves to pharmacists. The Public Pharmacists' and Dispensers' Association have obtained the use of the Society's lecture-theatre for October 30, when Sir Victor Horsley is to give the inaugural address.

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THE Councillors present were: Mr. C. B. Allen (President), Mr. E. White (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Bilson, A. S. Campkin, F. J. Gibson, R. L. Gifford, D. Gilmour, A. Hagon, J. F. Harrington, E. T. Neathercoat, G. T. W. Newsholme, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, C. Symes, T. A. White, and J. R. Young.

The meeting began punctually at eleven o'clock, the first business being the reading and confirmation of the minutes of the previous meeting.

#### Absent Councillors.

The President said he had received a letter from Mr. Currie, who was unable to be present owing to business disturbances. He has also had the misfortune to lose his mother, her death following very closely that of his father. The President said he proposed to transmit to Mr. Currie an expression of sympathy in his bereavement. Mr. Harrison was also unable to be present owing to a business engagement; and Mr. Cuff, who had been at committee work on the previous day, had had to leave to attend a meeting of the Kent Insurance Committee at Maidstone.

#### Death.

The President also mentioned that the Society had lost a loyal divisional officer through the death of Mr. Joseph Senior, Eastbourne.

#### Elections and Restorations.

Nineteen members were then elected and thirty student-associates. Thirty-three persons were restored to their former position in the Society, and eight names were replaced on the Register of Chemists and Druggists.

#### Finance.

The Treasurer then presented the report of the Finance Committee. The receipts of the General Fund amounted to 2,902*l.* 13*s.* 1*d.*, made up as follows: Penalties and costs, 76*l.* 12*s.* 1*d.*; subscriptions, 145*l.* 19*s.*; "Journal" and publications, 1,102*l.* 11*s.* 7*d.*; registration-fees, 138*l.* 12*s.*; examination-fees, 913*l.* 14*s.*; Carteighe legacy (balance and interest), 514*l.* 12*s.* 11*d.*; restoration-fees, 2*l.* 2*s.*; dividend, 8*l.* 9*s.* 6*d.*; making the balance, after payments from the previous month, of 2,146*l.* 6*s.* 9*d.*, from which the following payments were recommended to be made: "Journal" and publications, 1,197*l.* 11*s.* 8*d.*; stationery, etc., 23*l.* 16*s.* 6*d.*; current expenses, 400*l.*; salaries, etc., 372*l.* 13*s.* 8*d.*; law charges, 78*l.* 19*s.* 2*d.*; house, 226*l.* 10*s.*; library, 1*l.* 14*s.*—a total of 2,301*l.* 5*s.* The balance on the Benevolent Fund current account was shown as 525*l.* 14*s.* 1*d.*; donation account, 309*l.* 15*s.* 1*d.*; and on the Orphan Fund, 69*l.* 14*s.* 6*d.*

The Treasurer, in moving the adoption of the report, said the accounts called for no special comment. The committee recommended that 500*l.* of the amount received during the past two years as life-membership fees be invested on the Life Members' Fund Account. A similar amount was, he explained, invested two years ago. Although the transaction amounted to placing money from one pocket into another, it formed a special reserve and additional safeguard.

The Vice-President said he was glad to see the step taken in regard to life-members' subscriptions, which had become a serious question. To spend these subscriptions as income might in time create an unfortunate position.

The report was adopted, and there were also carried resolutions authorising the Treasurer to pay the moieties to the holders of the Jacob Bell scholarships, the Redwood scholarship, and the C. J. Hewlett exhibition.

#### Benevolent Fund.

Mr. F. J. Gibson, Chairman of the Benevolent Fund Committee, then presented the report of that committee, which was first considered *in camera*, after which, in moving its adoption, Mr. Gibson said the financial aspect of the fund was not so bright compared with the position a year ago. It was estimated that at the end of the year there would be a balance of 220*l.*, against 284*l.* last year. Referring then to the number of annuitants on the fund, Mr. Gibson said that last October there were twenty-eight, while four were added in December, but death has reduced the number to twenty-seven. It is a recommendation of the committee that four annuitants be elected in December. He mentioned also that there are twenty-nine "minor" annuitants—persons receiving smaller sums—whose grants amount to 634*l.* a year. At the meeting on the previous day there were seven applicants for assistance, and grants were made amounting to 92*l.* 10*s.*

The President said it would probably be news to many that there are so many "minor" annuitants. This is an excellent feature of the work, as many relatives are induced to supplement the Society's grant and the Old Age Pensions which these persons receive.

The report was adopted. Resolutions were also carried authorising the election on December 10 of four annuitants and sanctioning the payment of 30*l.* to the Wanstead Infants' Orphan Asylum for the support of E. P. Airey for one year.

#### Local Associations Committee.

Mr. E. T. Neathercoat, Chairman of this committee, presented the report, which dealt with the meetings that have been held in various parts of the country under the auspices of the committee. It dealt also with future arrangements for meetings under the Federation scheme. Mr. Neathercoat pointed out that several associations have been formed in central districts hitherto unorganised,

and added that the importance of these new associations will be obvious at a time when the battle regarding the National Insurance Act is being shifted to the county boroughs. These societies will be of great service in the collective bargaining for the supply of drugs to insured persons. The first district meeting under the Federation scheme is to be held at Cardiff on October 3.

Mr. Rowsell said he hoped sincerely that chemists will support very heartily and immediately the work that is being done so well by the Local Associations Committee in the matter of the National Insurance Act. He desired to point out that the work the committee has been doing is not in the slightest degree hostile to the schemes of the Insurance Commissioners. The negotiations right through have been of a friendly character, and that is still maintained. He sincerely hoped that local Pharmaceutical Insurance Committees would do all they can to back up immediately the lead given by the Local Associations Committee, so that pharmacy throughout the country may present a united front at a very critical period of its history.

A Strong Protest.

Mr. Sargeant said he objected very much to Paragraph 4 of the report, which was as follows :

The committee took into consideration the possibility of the Society being asked to provide a list of firms and persons entitled to go upon the panel for the dispensing and supply of medicines to insured persons under the Insurance Act. After considerable discussion the Chairman was authorised to make arrangements for the compilation of as complete a list as possible for use in the event of a request by the Commissioners for such a list.

He said that unless this paragraph were removed he should move that it be referred back to the committee. He objected to it on four grounds : (1) it violates the principle of successful organisation, by requiring one committee to do the work of another ; (2) it is an emphatically wrong assumption that the Council has as part of its functions the representation of co-operative bodies in addition to its own members ; (3) it empowers the use of the financial resources of the Society for purposes which are not connected with the members of the Society ; and (4) assumes that the local organisation committees are still willing to work with the Council, notwithstanding that the committees have not received the confidential reports promised them on their formation. The Standing Committee on Insurance has identical interests with the members of the Society in one direction, but not in other directions. It is a most unholy alliance, formed as a result of the 1908 Act, and for special work. The duty of that Committee is to do all the work connected with the National Insurance Act, and it has chosen to work in secret. In the provinces nothing is known of the proceedings, and the Local Committees formed with the object of receiving confidential communications have not been made acquainted with the work. If these committees were not to be treated with they should not have been formed. Mr. Rowsell stated at Exeter that Mr. Glyn-Jones has been doing magnificent work for the Government. The policy he has been pursuing is exceedingly favourable to the Government. No man, said Mr. Sargeant, can do magnificent work for the Government and look after pharmacy at the same time. There is, he added, a deliberate attempt to use the finances of the Society for the benefit of the Insurance Committee. It began when last year delegates were sent to Germany to collect information for the use of that complex body. He had the very strongest objection to such application of the Society's finances, and looked to the Council to raise itself above the suspicion of "hole-and-corner" work. He moved that paragraph 4 of the report be referred back.

Mr. Rowsell rose, and was about to reply, when it was pointed out that the resolution had not been seconded. There was a few seconds' silence, when Dr. Symes said he would formally second it, to enable the matter to be discussed.

Mr. Rowsell said it is evident that Mr. Sargeant does not distinguish between Government and party. It is the duty of every citizen to do his utmost for the Government of the country. He and his colleagues on the committee have done their utmost to benefit the craft, and they have been assured that the work that has been done has been absolutely to the benefit of pharmacy. He knew nothing of any "hole-and-corner" work ; all that has been done has been carried out in consultation with the Standing Committee on Insurance working with the committees representing England, Scotland, and Wales, and wherever possible the constituencies have been taken into very full and sympathetic consultation.

Mr. Gilmour said that hitherto the Council has kept clear of the Standing Committee on Insurance, but now seems to be showing a new position. Certain desperate cases require strong action. Is this a case where the Society can do better service for its members than any other body ?

Mr. Gifford said he was sorry to notice that a charge was made of political subservience. Many of his colleagues differ from him in politics, but nothing to his mind has been more admirable or shown such broadmindedness of the Council than its relations to the National Insurance Act. The Council has risen above party and individual considerations. The most remarkable thing has been the absolute oneness of action and motive in devoting the whole of the resources of the Council to the one interest of the profession of pharmacy.

Mr. Campkin said the Council is the last body to be accused of going out of its way to assist the present Government. In this matter it is a question of "a plague on both your houses," and pharmacists look to no Government to assist them individually. The manner in which the Society's representative has behaved and been listened to in Parliament has been most astonishing. The one idea of every member of the Council—irrespective of political opinions—has been to represent the great body of pharmacists throughout the country. The National Insurance Act is an Act of Parliament supported by the Opposition and passed through the House of Lords, so that no one can say it is a party measure. It might, in his opinion, have been more favourable in certain directions in which he is interested. (Laughter.) The Council is doing its best to carry out the provisions of the Act with as little friction as possible. So far success has attended these efforts, and pharmacists may still pluck the flower of safety, but this they cannot do if divided into political camps.

Mr. F. J. Gibson said that Mr. Sargeant, like many other people, confined himself to a destructive policy, and offered not a single line of constructive policy. The Council represents all chemists and 7,000 members, and cannot confine any benefits to members alone. To benefit the craft in general has been the object of the Insurance Committee.

Mr. Hagon said Mr. Rowsell had completely justified the position taken up during the negotiations that have taken place over the Insurance business. The position has been the most democratic attitude ever adopted by the Council in that it has at last recognised that there are interests outside those of its members. Had the Council allowed the matter to go on without doing anything because of the fear of benefiting others besides the members, the criticism at this time would have been overwhelming. Mr. Sargeant has gone back to the conservatism of twenty years ago, and shut his eyes on present-day conditions. The representatives of corporations on the Standing Committee on Insurance have been most loyal and helpful to the present, and he had no doubt this attitude will continue in the future.

The Vice-President thought that Mr. Sargeant had only taken the opportunity of the paragraph in the report to say what he did, although there is nothing there to justify his remarks. Does he really mean that in the possibility of the Commissioners applying to the Council for certain information they are to be refused ?

Mr. Sargeant : It does not concern the Council but the Standing Committee on Insurance.

The Vice-President : It would be as well to know exactly what the charge is.

Mr. Neathercoat also said that the speech was not at all apposite to the paragraph, but Mr. Sargeant seemed to have

seized the opportunity to make an attack on the committee and its officers. No defence is necessary at that Council to such a charge. For his own part and on behalf of the Local Associations Committee he could not accept the amendment. His committee is charged with doing work which is not organisation work. To his mind Insurance work and the work that has been done are absolutely identical. There is no other committee of the Council which could undertake the work, and no other body than the Council that could possibly compile the list referred to. The Council is the body to which the Commissioners would apply, and if the Standing Committee had been asked to supply such a list they could only have handed the request to the Council. He denied the charge that the committee is acting in opposition to the Pharmaceutical Local Committees; on the contrary, a close unison exists. The Local Committees appreciate the work that is being done, and are doing everything in their power to assist and back up the work. When one considers the position that pharmacy was in when the Bill was introduced and the present work accomplished, it is distinctly ungenerous, and not in the interest of pharmacy, to engage in petty squabbles at that table.

Dr. Symes thought that Mr. Sargeant, having made his protest, should withdraw his motion. The answers had been satisfactory, and he (Dr. Symes) did not think it was intended to attack the Council. It might have occurred to him that the committee proposed to do the work of another, and he should have raised the point in the form of a question.

Mr. Sargeant was asked by the President whether he desired to withdraw his motion, and replied: I must persist in it, and shall raise the question on every possible occasion when the funds of the Society are being used for such an object.

Mr. Newsholme pointed out that in the present case it was only an offer to give assistance if asked. Having spent time and money in assisting the working of the Act, it would be too absurd to refuse suddenly to help.

The President pointed out that the Council is the only body which could compile the list required.

Mr. Sargeant's motion to reject Paragraph 4 of the Local Committee's report was put to the meeting, but Mr. Sargeant was the only supporter.

The report was then adopted, Mr. Sargeant being the only objector.

### The Registrar's Report.

The Registrar submitted his report of the apprentices or students registered since July. The list contained eighty-five names.

### The Medical-benefit Regulations.

The President said he wished to add to what Mr. Rowsell had said in regard to the National Insurance Act. He understood that although the Regulations for the medical benefit as they affect pharmacists are not published, they will be within a day or two. The work of the pharmacists representing the trade has been very arduous, and he hoped these Regulations will show that there is every disposition on the part of the Commissioners to provide for a proper pharmacy service. The technical advice which has been tendered to the Commissioners has been largely acted upon. The Council's duty is now to supply the Pharmaceutical Local Committees with certain documents and to give suggestions as to future procedure. He (the President) was in the uncomfortable position of having to comment upon Regulations of which he knew nothing. The Standing Committee on Insurance had kept their secrets so well in this case that he (the President) had no better information on the subject than those persons in the North of whom Mr. Sargeant had spoken. He was quite satisfied that their officers have dealt in a capable manner with the many questions that have been placed before them. He hoped the Regulations would commend themselves to pharmacists, who, he trusted, would carefully study them as soon as they receive them, so as to understand exactly what the position is.

The matter was mentioned later on in the report of the Parliamentary and General Purposes Committee. This report stated that Mr. Rowsell outlined the steps taken, so that the regulations for the pharmaceutical part of the medical benefit "shall be reasonable and acceptable to the pharmacists of the country." Mr. Glyn-Jones and Mr. Woolcock also reported on the lines of policy which would be followed.

### Other Matters.

The same report contained a reference to the conduct of a member of the Society, who is to be called upon to explain his action.

The President, Vice-President, Mr. Harrington, Mr. Newsholme, and Mr. Young were appointed a sub-committee to select the members of the Board of Examiners for the ensuing year.

The Chemists' Assistants' Association asked permission to use the lecture-theatre on November 28 for the purpose of a lecture and demonstration on radium by Mr. Glew. This will be granted in due course.

The British Pharmaceutical Conference conveyed a resolution of thanks for the use of the Society's house in York Place, Edinburgh, during the recent meeting.

The Public Pharmacists' and Dispensers' Association were given permission to use the lecture-theatre on October 30, when Sir Victor Horsley is to give an address on "The Legislation of To-day and its Effect on the Practice of Medicine and Pharmacy."

This concluded the public business.

## School of Pharmacy.

The seventy-first session of this school was opened on Wednesday afternoon, October 2, when a good company met in the lecture-theatre at 17 Bloomsbury Square, to witness the presentation of certain awards, and to hear the inaugural address by Mr. J. R. Young, of Warrington. The President, wearing his chain of office, came into the theatre at 3.10 p.m., being accompanied by the Vice-President, the Secretary, and Mr. Young, as well as the professors and lecturers in the school and the following members of the Council:

Messrs. F. J. Gibson, David Gilmour, J. F. Harrington, G. T. W. Newsholme, P. F. Rowsell, Frank Rogers, and Charles Symes. Mr. W. S. Glyn-Jones, M.P., and Mr. A. W. Gerrard (Birmingham) also came in with the President. Among others present were Mr. R. R. Bennett, Mr. Peter Davidson, Mr. and Mrs. Harold Deane, Mr. J. W. Douglas, Mr. E. H. Farr, Mr. and Mrs. H. Finnemore, Mr. and Mrs. Alan Francis, Mr. and Mrs. G. B. Francis, Mrs. J. M. Hardie (Alyth), Mr. Vivian C. Hewlett, Mr. E. M. Holmes, Mr. W. Kirkby (Manchester), Mr. and Mrs. Peter MacEwan, Dr. W. H. Martindale, Mr. E. S. Peck, Mr. and Mrs. P. E. F. Perrédès, Mr. A. J. Pidd (Manchester), Mr. R. A. Robinson, jun., Mr. Herbert Skinner, Mr. Thomas Simpson (Newcastle-on-Tyne), Mr. T. Stephenson (Edinburgh), Mrs. H. N. Stroud (Leicester), Mrs. Edmund White and Master White, Mr. and Mrs. W. J. U. Woolcock, and Mr. R. F. Young.

The President had a most cordial reception on rising to open the proceedings. He expressed pleasure at seeing such a large number present, and called upon the Dean (Professor Greenish) to read his

### Report on the School.

Professor Greenish stated that he had but little to add to the report which his predecessor in office (Professor Crossley) read at the annual prize distribution last June. Out of the 42 students who had presented themselves for the Minor examination 34, or 81 per cent., succeeded in satisfying the examiners. (Applause.) This proportion was rather larger than that obtained last year, but was yet a little below the average of the last few years. (Cries of "Oh" from the students, followed by some laughter.) In the personnel of the staff several changes had been made. These, however, would in no way imply any diminution in the efficiency of the teaching. Mr. Warner, who resigned his post as Assistant Lecturer in Chemistry and Physics, succeeded Dr. Cavers as Lecturer in Botany. Mr. Warner was succeeded by Mr. Smith as Lecturer and Senior Demonstrator in Chemistry, while Mr. W. A. Storey and Mr. S. H. Stroud had been appointed Demonstrators in

Chemistry. The Dean proceeded to mention academical successes by several past students, and confirmed the favourable report made by Professor Crossley in June regarding the prospects of the coming session. Sixty-nine students had already entered their names, as against 56 at the corresponding period of last year. Sixty-one out of 69 took complete Major or Minor courses, eight entering for shorter periods. He hoped that students starting from the commencement of the session would give a good account of themselves. There was no reason why they should not equal or even surpass the records of previous years. (Applause.)

The President explained that this was not the annual prize distribution in connection with the School of Pharmacy, and called for the report of the Curator on

### The Herbarium Competition.

Mr. Holmes said that both the collections submitted to him were of considerable merit and of nearly equal value, although in different respects, so that it was difficult to differentiate between them. That of Mr. Leslie F. Davidson, to whom the silver medal had been awarded, complied perfectly with the requirements. That of Mr. Eric Tittring differed in that it contained 136 plants, or fourteen fewer than the previous one. As an old prize-winner, Mr. Holmes remarked that the award was by no means commensurate with the trouble and expense involved in making the collection. The medals must be regarded as forming public recognition of work well done. In 1856 and in succeeding years the winner of the silver medal had to give his collection to the Society, but he believed that did not now hold good under the new regulations. In the Herbarium upstairs they had some of the finest collections presented from time to time, and one, by Mr. Giles, was a type of what subsequent collections should be.

The President then called upon Mr. Davidson, the winner of the silver medal, and Mr. Tittring, the winner of the bronze one. Having shaken hands with each of them, he remarked that their collections had been judged as about equal. Mr. Holmes, however, like a wise man, had not given a reason why one of them should have a silver and the other a bronze medal. The collection of herbaria entailed a tremendous amount of work and involved the expenditure of a great deal of time. Each of the gentlemen had exhibited skill and patience in a very marked degree. Addressing Mr. Davidson, the President remarked, "I am most highly pleased, Mr. Davidson, to make this award to you, whom I have known since you were a baby. (Laughter and applause.) I have much pleasure in presenting you with this silver medal. We shall expect a great deal more attainment from a boy of your calibre." Presenting the bronze medal to Mr. Tittring, the President said that the only difference between it and the silver medal was that it was made of another metal—bronze. (Applause.)

### Council Prizes Examination.

The President then read the report on the Council prizes examination by members of the Board of Examiners for Scotland, and explained how those honours had been instituted. The man who won the Pereira medal this year, he said, was Mr. S. H. Stroud. (Applause.) Mr. H. A. Phillips was the winner of the Council's silver medal. (Applause.) Mr. H. Stout, of Edinburgh, was the winner of the bronze one. Addressing Mr. Stroud (who went up to the table amidst cheering), the President shook hands with him and said, "I have had the pleasure of seeing you before. You have been a prize-winner, and you have held a scholarship, I know. You have something to do now in the direction of raising the status of those gentlemen who are so enthusiastic. (Loud applause.) I am quite sure that as they have demonstrated their appreciation of your success you will do all you can for them. You cannot lead them all on to win the Pereira medal, but you may, at any rate, have the success of immediate future winners within your hands. I have pleasure in handing you this very handsome medal, which is the premier award given by this Society. In accepting it you assume very great responsibility—(applause)—because you have attained almost the summit of your endeavours as a student. I know the man who has got the medal will still continue to be a student from whom very much will be expected by and by. It gives me pleasure to direct your attention to the list of Pereira medallists whose names appear on the walls of this theatre. Many of these are of men who have distinguished themselves. I speak on behalf of the Council of the Society, as the father of all those students who come before me for prizes, when I say that we expect a great deal from them. I am quite sure you will do your best to make yourself everlastingly worthy of this medal." (Applause.) The President also addressed Mr. Phillips, recalling previous honours secured by him, and remarking that the "runner-up" is almost as good as the prizeman. Speaking of the bronze medallist, the President expressed the hope that the member of the Board of Examiners present (Mr. T. Stephenson) would convey to him his congratulations when opportunity afforded. (Applause.) When calling upon Mr. Bennett to report on

Mr. S. H. Stroud.

### The Scholarships Examinations,

the President explained how the Jacob Bell scholarship originated, and spoke of its value, adding that nearly all the Bell scholars not only got easily through their Minor, but passed their Major examination and did credit to the pharmaceutical calling. If one went through the names of the winners of the Jacob Bell scholarships they would find among them those of many men who had distinguished themselves in the past, and many still living who were equally distinguished. Sir William Tilden, who won the first of the scholarships, gave a lecture there only a few months ago. He was still active though on the retired list, and his brain was still working well. (Applause.)

Mr. R. R. Bennett, reporting on behalf of the committee, consisting of the President, the Vice-President, and himself, appointed to make the award of the Jacob Bell memorial and the Manchester scholarships, stated that the examinations were held on June 18. Ten candidates competed for the Jacob Bell scholarship at the following centres: London, 8; Manchester, 1; Edinburgh, 1. The minimum number of marks for the award was 400, or two-thirds of the maximum standard. Five of the ten candidates obtained a sufficient number of marks to qualify for the award of the scholarship. The first two places were taken by Mr. George Frederick Axon and Mr. Frank Wokes, who respectively obtained 79 per cent. and 78 per cent. of the maximum number of marks. One candidate entered for the Manchester scholarship, but failed to obtain the minimum number of marks required to obtain the award of the scholarship.

Mr. G. F. Axon.

Mr. F. Wokes.

The President called up Mr. George Frederick Axon and Mr. Frank Wokes, and said: "You are entering upon your pharmaceutical careers very happily in getting prizes like these at the very outset. There are a great

many men who tried to win the scholarship who did not get it. I have been one who tried and did not get it, but I was not the first who did so. (Laughter.) The work that leads you on to the Bell scholarship is very far on towards your Minor examination, and must help you considerably in your further studies. We expect a great deal from you as Bell scholars. We expect you to work well, to do your best, and show that you have thoroughly well determined to make your scholarship a successful one. Mr. Wokes, I knew your father years ago, though I have never seen you before. Mr. Axon, I am glad to meet you. I am quite sure you two young men will work hard and by and by come before the future President for the prizes you will have earned. (Applause).

The President then referred to the other scholarships that have been awarded. In the course of his remarks he said: Mr. Walter Riley Pratt receives the Salter scholarship and Miss Dorothy J. Bartlett the Redwood scholarship. Continuing, the President said he had another very pleasant duty to perform in asking Mr. Rymer Young, one of his colleagues on the Council, to deliver the inaugural address. The inaugural address used at one time to be the prerogative of the President, but something like forty years ago a change was made by asking some other person to deliver it. Looking back at the names of the gentlemen who have delivered this address is really an education. We have had great chemists, great doctors, great scientists, honorary members who are associated with great societies, and a very large number of worthy names. He mentioned Sir Joseph Swan, Sir William Tilden, Sir Michael Foster, Sir Thiselton Dyer, Sir Henry Roscoe, Sir Lauder Brunton, Mr. Henry Brady, and others. Looking around for someone to address us to-day, it came across my mind that we have among us a man of enriched mind who could speak to us. We all know Mr. J. Rymer Young and what an excellent man he is in every way. (Applause.) He was associated, as you know, with the passing of the 1908 Act. He did a great deal for pharmacy then, and displayed exceptional ability in his conduct of the negotiations which went on in the House of Commons. (Applause.)

### The Inaugural Address.

Mr. J. Rymer Young, who had a most enthusiastic reception, said: Mr. President, Ladies and Gentlemen,—I have no doubt that my friend on the left desired to start me off, as it were; with a word of assurance. I would only suggest that, if that was his idea, his methods are peculiar. (Laughter.) First of all, he gives you a long catalogue of the heavy artillery which has boomed in this hall in the past, and then he nicely introduces into the business a little pop-gun from Warrington. (Laughter.)

Mr. Rymer Young then gave his address, which is printed later (index folio 551).

At the conclusion of the address

Mr. J. F. Harrington, in proposing a vote of thanks to Mr. J. Rymer Young, described the inaugural address as having been both instructive and amusing.

The President remarked that personally he was indebted to Mr. Young for the excellent address he had given. It was one which would, when printed, bear reading and afford entertainment and edification. (Applause.)

Mr. J. Rymer Young, in acknowledging the compliment, remarked that he did not imagine for one moment that he would carry with him every one in what he said. What he had witnessed, however, indicated that there were those who were not averse to listening when a little candid criticism was offered. He felt that he could not resist the opportunity which was afforded him of saying something on educational matters.

### Other Business.

The President remarked that in presenting the Pereira Medal he had omitted to hand to Mr. Stroud the books which accompanied that award. He also intimated receipt of letters of apology for absence from the following among others: Mr. Walter Hills, Sir William Whitla, Sir William Tilden, Sir William Ramsay, Sir James Dewar, Professor Phillips, Mr. R. Winfrey, M.P., and Mr. J. P. Gilmour.

Mr. A. W. Gerrard then proposed a vote of thanks to the President, which Mr. Allen briefly acknowledged.

The company then adjourned to the examination hall for a cup of tea, where they were joined by some members of the Executive of the British Pharmaceutical Conference who had been unable to attend the inaugural meeting, among them Mr. F. W. Branson, F.I.C. (Leeds), Mr. C. A. Hill, B.Sc., F.I.C., and Mr. H. Wilson, F.I.C. (Southampton).

## Minor Examination.

We have received from the Registrar the following list of persons who at the meeting of the Board of Examiners for England and Wales, recently held in London, received certificates of registration as chemists and druggists:

Balf, Richard L., Moston
Berry, Edgar, Hyde
Bray, Albert W., Exeter
Churchouse, H. P., Moseley
Cockcroft, G. H., Southport
Colensa, Thomas W., Hayle
Cracknell, Philip G., Sutton St. James
Crompton, Alexander, Ashton-under-Lyne
Cundale, Sydney R., Nottingham
Dutton, Harold, Northwich
Evans, A. M. Benson, Denbigh
Evans, Herbert G., Ammanford
Evans, John, Edgbaston
Farr, Francis E., Uckfield
Gore, Leslie Frank, Margate
Harrop, A. L., St. Annes-on-Sea
Haynes, Alfred B., Parkstone
John, Olga M. F., Bath
Jones, Thomas J., Holyhead
Levesley, C. E., Heckington
Maitland, Arthur A., London
Marsh, Oliver, Liverpool
Mellor, William E., Winchester
Mills, Albert Edward, Dulwich
Moore, Clement A., Leyton
Morgan, R. L., Haverfordwest
O'Connor, Francis, Stockwell
Rance, Emily, Clapham
Rees, William Ivor, Swansea
Richardson, J. W. R., Hadfield
Sanders, George, Aston
Sheffield, George S., Hertford
Siggers, Clement W., Ealing
Smith, Lilian E., Pulham Market
Stevenson, R. H. S., Tunbridge Wells
Thomas, William, London
Todd, Hilda M., Barrow-in-Furness
Turner, Percy N., Salisbury
Vickery, William R., Norwich
Williams, John, New Moston
Williams, Josiah J., Clapham
Williams, Walter R., Pontypool
Wimshurst, F. F. B., Bexhill
Wood, Albert William, London
Yeates, Alfred C., Stourbridge
Zimmermann, J. F. A., London

# POISONING FATALITIES.

Eleven fatalities due to poisoning have been chronicled this week. In three instances the poison was taken in mistake for drink. Two children were poisoned by their mother.

*Carbolic Acid.*—At Dublin, Daniel Brophy (54), labourer, drank carbolic disinfectant in mistake for stout, with fatal consequences.

*Laudanum* was used for suicidal purposes by Samuel Hannibal (42), chapel caretaker, Arnold, and George Lindsay, retired butler, Bournemouth.

*Prussic Acid.*—Edward Fisher, landlord of the Ballot Box Hotel, Horsendon Hill, Middlesex, was found dead in bed with a bottle which had contained prussic acid beside him. "Suicide while of unsound mind" was the verdict at the inquest.

*Salt of Lemon* is understood to have been taken by Wilhelmina Suir (44), wife of a Porth colliery labourer, who was discovered in a dying condition.—A young woman named Annie Newton (35) died at Dewsbury as a result of having taken salt of lemon. Louisa Wood, widow, of 32 Bradford Road, Dewsbury, herbalist, said she sold salt of lemon which she purchased from a London firm of wholesale druggists. She had not her name on the boxes, which were labelled "Poisonous." The Coroner observed that he would not say whether she was wrong or right in selling such poisons, but he was very doubtful about her being right. Witness further said that she sold them chiefly to women for taking out iron moulds from cotton goods, etc. If a person came and bought one box she would not ask what it was wanted for, but if two were purchased she would ask that question Purchasers did not sign for them. Florence Smith, domestic servant and shop assistant in the employ of the last witness, said she sold the two boxes of salt of lemon to the deceased on Saturday night between eight and nine o'clock. Deceased did not say what she wanted them for. The Coroner: Has your mistress ever told you to ask people what they wanted them for?—Yes. Why didn't you?—I never thought about it. Dr. Duguid deposed that death was due to heart failure, following shock and the action of the drug. A Juryman: It is not a registered poison, I think?—Yes, it is. Another Juryman: You can buy it at all grocers' shops. It is in common use. The Coroner: Without the purchasers signing for it? A Juryman: Oh, yes! Detective-Sergeant Dransfield said he understood that the seller was liable to a penalty of 5*l.* for selling

salt of lemon without the name and address of the vendor on the box. The Coroner (Mr. P. P. Maitland), in summing up, said he did not think it was right that people should be allowed to sell such poisonous stuff without its being signed for, and if it were lawful, he thought the law ought to be altered. He was determined to write to the Home Office and call their attention to the matter. It is really what is vulgarly termed a deadly poison, and people ought not to be able to get it so easily. The jury returned a verdict in accordance with the suggestion of the Coroner.

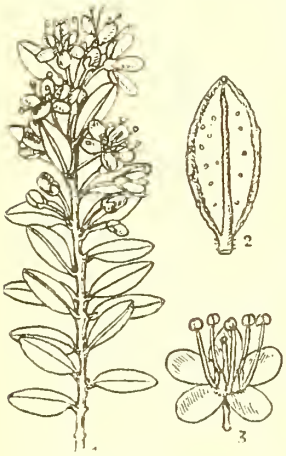
*Spirit of Salt.*—At Mullaghmarget, Dungannon, Wm. J. McMinn (32) drank spirit of salt in mistake for whisky and died a few days later.—At Edmonton, Clara Alice White (30) killed her two children by poisoning them with hydrochloric acid.

*Kind not Stated.*—At the inquiry held into the death of John Ellis Maddock (19), who committed suicide by taking poison at 74 Waterloo Road, London, S.E., it was stated deceased was apprenticed to a Blackpool chemist. The jury returned a verdict of "Suicide during temporary insanity."—James Lord, labourer, Wolstenholme, died at Bury, Lanes, from accidental poisoning with boiler composition.

## SCIENTIFIC PROGRESS.

**Temperatures under this heading are on the Centigrade scale.**

**Buchu-leaves.**—Professor W. Mansfield, of the New York College of Pharmacy, read a paper on klip-buchu before the N.Y. State Pharmaceutical Association in June last, which is published in the "Practical Druggist" for August. Mr. Mansfield states that he found as much as 17 per cent. of klip-buchu mixed with long buchu in the different samples he examined. In one of these samples he found several flowers and fruits, which enabled him to identify the plant yielding klip-buchu. On a superficial examination of long buchu, he states, a person might easily fail to notice klip-buchu, especially if it is broken. The adulterant was first described in "Curtis's Botanical Magazine," 37, 1813, under the name of *Diosma fragrans*, as follows:

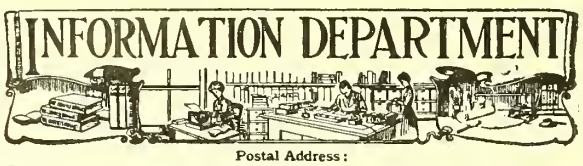


1. Branch with flowers.
2. Leaf. 3. Flower.

Shrub two or three feet high, with erect twiggy branches. Leaves scattered, oblong, obtuse, with a cartilaginous mucro-glandular denticulate margin, smooth, deep green on the upper surface, glaucous underneath, with two irregular rows of glandular dots; petiole very short, inserted into a stipular abutment. Flowers aggregate, terminal, but having a young shoot frequently extending beyond them, showy, rose-coloured. Peduncles two or three times longer than the leaves, crimson, clammy, having two small subulate bracts near the base. Calyx covered with glands; segments patent, obtuse. Petals obsoletely crenulate, emarginate. Nectaries or barren filaments longer than the fertile ones, and both crowned with a crimson gland. The whole plant is very aromatic, without any admixture of the foxy smell so offensive in several species; and is otherwise one of the most desirable of the whole genus. Native of the Cape of Good Hope. Flowers in May, June, and July. Propagated by cuttings. Later botanists found it was not a Diosma, and it was named *Adenandra fragrans* (Sims), R.N.S., a name which it still retains. First raised from seed sent by Mr. Nevin, collector to George Hibbers, Esq., by Mr. Knight, now of the Exotic Nursery, King's Road, Little Chelsea, by whom it was communicated to us.

Klip-buchu grows in the same region as long buchu. The "Kew Bulletin" (1912, 326) contains the diagnostic characters of *Barosma Peglerae*, Dummer. The specimen described was collected by Miss Alice Pegler on the grassy slopes of the Qolora Mouth, Ketani, in the eastern regions of Cape Colony, and forwarded to Kew in 1907. We reproduce the "Bulletin's" illustration of a branch of the plant, which is stated to be apparently new to science. It was referred to in the *C. & D.*, 1910, II., 612.

Subscribers who desire to secure exemption from stamp-duty for any medicinal preparations on the ground that they are known, admitted, and approved remedies should send us the formulas for publication in the *C. & D. Diary, 1913*, now in preparation.

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## INFORMATION WANTED.

**We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries:**

63/27. "Homolgols": makers.
58/22. Suppliers of "Cystoform."
70/350. Pope's ointment for horses.
66/27. "Hercules" oil-engine: makers.
57/70. "Farmer's Friend" embrocation.
66/36. "Haydock's Pills": proprietors.
60/50. Baker's elastic hosiery (perforated).
58/22. Merson's Wonder Cure (for epilepsy).
70/35. Dr. James's Royal Infant Carminative.
70/351. Vevera frères rouge: maker or supplier.
42/42. "Mestilla and Honeydrop" soap: makers.
67/14. "D. D. L." brand Parma violet tooth-powder.
63/51. Silica enamelled cement (for dental use): direct supply.
70/33. "Sulfoform" and "Sulfoformol" (Kaufmann): supply.
66/68. "Spanish Wax," for dipping stems of cut-flowers to preserve them.
69/48. "Kinora" model of moving pictures; can be held in the hand; reels of pictures (2*s.* 6*d.* each), interchangeable.

## INFORMATION SUPPLIED.

**During the past week we have answered inquiries as to the makers or sellers of the following articles. The information will be repeated to other inquirers who send to this Department a stamped and addressed envelope for the purpose.**

Albargin, 64/38
"Ankle" brand packed goods, 68/49
Antiselerosin tablets, 60/49
"Anusol" suppositories, 64/40
Bed-pans, earthenware (makers), 182/302
Bell's "Fairy" pills, 62/20
Bertoni's ether (supply), 61/30
"Besorbon" snuff, 65/32
Bismuth iodo-resorcin sulphonate, 61/36
Blue parcelling paper, 55/40
Calc. carb. precip., "Sturgeon" brand, 67/17
Castols, 64/402
Chaulmoogra oil: Indian exporters (Dutch inquiry), 65/50
"Colleen" soap, 64/40
Core gum for foundries (German inquiry), 63/58
Davis & Draper's glycerin cough-elixir, 53/66
De Trey's teeth, 63/513
Dental pliers, 63/512
Dispensing phials, cheaper varieties (East Indian inquiry), 182/30
Eguisier's irrigateurs, 55/28
Electric belts, 61/45
Emerson's bromo-seltzer, 64/401
English red, makers (Finnish inquiry), 64/22
Fermentin, 65/62
Fleminol, 63/44
Harvard Dental cement, 63/510
Haydock's pills, 62/22
"Jason" brand bandages (for varicose veins), 56/65
Kidney belts, 60/490
"Ko-Sam" tablets (Italian inquiry), 60/10
Labels for toilet articles, etc. (lithographed in colours), 61/44
Laryngine, 63/26
Laxative bromo-quinine, 64/39
Leather's ozonator fluid, 62/21
Mothersill's sea-sickness remedy, 68/51
"Offord" hygienic truss, 62/25
Orexin tannate, 68/50
Oxygen (manufacturers), 61/37
Paprika, 64/27
Pedicure corn-planes, 62/210
"Perfection" oil heaters, 68/53
Photo-frame makers, 63/71
Phytin, 64/41
Pill tiles, makers (for India), 182/301
Porcelain mortars and pestles (for British India), 182/300
Radium, Ltd., 62/19
Saliformin tablets, 65/63
Sanderson's specific, 65/7
Schmolle's head-soap, 55/29
"Solila" teeth, 63/514
Spirometers, 67/21
"Squirrel" brand specialities, 64/9
Tarine moth specialities, 62/21
Tennaline, 63/44
Tinker's dog-soap, 64/400
Trivalin, 68/52
Vulcanite and glass glycerin syringes, 62/23
White's dental alloys, 62/511

# OBSERVATIONS & REFLECTIONS.

By Xrayser II.

**The Holiday Season**

is over, and most of my friends seem to have returned to work with a feeling of relief. The weather, no doubt, is partly to blame for this, but I fear that pharmacists have less genius for holiday-making than the majority of Englishmen. Let us hope the Shops Act will work a revolution in this respect, for it is certain that all work and no play makes not only Jack but his father dull. It has been said by someone, who either did not know how to take a holiday or had just spent a fortnight at a seaside resort in a wet August, that life would be tolerable but for its pleasures. Why is it that nine out of every dozen people who take a summer holiday go to some crowded place of the kind referred to? Sheer gregariousness probably accounts for it in part, and the modern notion that sea-air is peculiarly healthful does the rest. Our ancestors, however, usually chose inland places as health resorts, or if they went to the sea did so for the sake of the bathing, not for the air. And as Mr. W. H. Hudson amusingly reminded us the other day, when they had to settle near the sea they built their villages behind some sheltering hill with their backs to the ocean, and as far away as possible from it. Personally, I would back a week in a mountain or upland village, whether for health or pleasure, against a month in any seaside place I know; and if I really needed a change would leave wife and bairns behind me—or send them to the sea!

**Mr. Smallman's Interesting Letter**

giving his impressions of American pharmacy and general trade conditions confirms me in the belief that England is still the better place to live in. Mr. Smallman speaks less strongly than Mr. Marriott Watson, but what he says points in the same direction. "The Chicago ideal," says Mr. Watson, "which with variations, and, of course, exceptions, is the American national ideal, recognises one force, and one force only, in the world, or rather makes other forces minor to it." Nothing else really counts; for the first time in history the worship of money has been elevated into a state religion. This age of trade has brought with it many benefits, increased general comfort, better sanitary conditions, fuller medical and surgical knowledge, and a hatred of war, but it is nevertheless "as callous, as selfish, as reckless of human life and suffering as was the age of the sword, and in some respects more so." Mr. Watson's indictment is strong, and his object, if, beyond a sensational bit of writing, he has one, appears to be a warning against the Americanisation of our own commercial and national life. The process has, he tells us, begun; our feet are on the downward slope; from a nation of shopkeepers (which is bad enough) we are becoming one of "stores" and trusts. Let us look across the Atlantic and take warning. Mr. Watson might be an old-fashioned pharmacist, writing with the Rexall invasion in mind! His exaggerations, however, have too evidently some foundation in truth.

**The Standardisation of Disinfectants**

"by a simple bacterial test capable of being easily effected" is what we have all been after for years, and all concerned will be supremely grateful to the Congress of Applied Chemistry if its committee can furnish such a test. At present the Rideal-Walker method holds the field, but it is admittedly unsatisfactory since it leaves out of account most important classes of germicides. In the main it is applicable chiefly to the tar acids, phenols, and cresols, and as these are very largely employed as disinfectants, the R.-W. carbolic-acid coefficient has obtained very wide recognition. But even as to the method for applying the test there is a difference of opinion, and "The Lancet" Commission, which was composed of some of the foremost living bacteriologists, suggested an improved technique. It is with the view of formulating and recommending a thoroughly satisfactory and universally applicable standard that the Congress has nominated its committee, and I hope that its investigations will result in something definite and practical.

**Methylated Tincture of Iodine**

is possibly still used now and again for veterinary purposes, although every good pharmacist knows that the practice is highly reprehensible. In my apprenticeship days I was often called upon to make a methylated liniment of iodine for horse-doctors, and the practical experience I then gained of the extremely irritating compounds that were produced led me in later years to discourage the practice in every possible way. Professor Remington's opinion, that tincture of iodine made with wood-alcohol is very dangerous, is one that I can easily accept, and I trust that the vogue of using industrial methylated spirit in the present craze for cheap methods of making hair-washes and other preparations for external use, will not be extended to anything containing iodine. Such a proceeding in the case of official preparations is, of course, quite illegal, the use of methylated spirit in such cases being criminal. Apart from the question of illegality it is a scientific blunder, one of those blunders that are sometimes said to be worse than crimes.

**Cannabis Indica**

has fallen greatly into disuse in this country, and it matters little to us whether the drug is produced in Asia, Africa, or America. Quite possibly this lack of interest has been brought about by our failure to ensure that our preparations are always active. According to Professor Remington, the most active constituent is an open question. It may be true that our American friends have no settled convictions on the subject, but I can assure the Professor that it is not an open question here. This was settled many years ago when Professor C. R. Marshall showed that the active constituent is cannabinol, a liquid resinous body. This substance is isolated with difficulty owing to its proneness to oxidation, and it must be kept in hermetically sealed phials. So kept it retains its activity for years, but when exposed to the air it rapidly passes into a form that is inert. All this is ancient history to us, and I am surprised that no attempt seems to have been made by the authors of the Congress paper on "Cannabis" to compare the cannabinol content with the physiological activity as shown by the test on animals.

**Tiger's Fat**

does not appear in the list of thirty-five animal fats mentioned in Wootton's "Chronicles of Pharmacy" as those which have at one time or other received official sanction, but its use in medicine is not new or confined to Eastern countries. Lemery has an article on the animal, and says its fat is emollient and resolutive. I do not, however, find it mentioned in any English book, which is strange. Lion's fat was anciently in great repute in affections of the joints and as a cosmetic; it is prescribed (says Wootton) in the P.L. of 1618, but I do not find it in any earlier or later edition. The cousin of these beasts, the cat, both the wild and the domestic, had a singular reputation in medicine. Many parts of it, such as the brain, the blood, and its breath, were accounted poisonous, the first causing madness, the second epilepsy, the third consumption. But its fat had the same virtue as that of the tiger; the animal itself, cut open and applied as a poultice, relieved pains in the side; and the powder of an entirely black cat, burned in an earthen vessel and blown into the eye through a quill, cured blindness and pains in that organ—so, at least, says Topsell.

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# Editorial Articles.

## Medical Benefit.

Through the courtesy of the National Health Insurance Commission of England, we are able to publish to-day the regulations as to the administration of medical benefit under the National Insurance Act, and it will be seen that the text confirms the "intelligent anticipation" which was given last week. We call particular attention to the regulations respecting the provision of drugs and appliances, especially Regulation 35, giving effect to the statutory provision Section 15 (5, iii.), as to the supply of drugs and medicines by medical practitioners. This carries out reasonably the principle of separating dispensing from prescribing, which, in the minds of many in English pharmacy, is *the* most vital provision in the Act so far as chemists and druggists are concerned. Another provision embodying a principle of high importance is the notice to be exhibited by persons undertaking the supply of drugs and appliances (Fourth Schedule). The only persons who may do all the work mentioned in the notice are registered chemists and those who carry on business in full conformity with the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908. Other persons (not medical practitioners) who may be put on the panel will only be able to notify that they supply drugs (except scheduled poisons) and appliances. The provision (36) as to practitioners who are to supply drugs and appliances requires that the arrangement shall be approved by the Commissioners. Doctors must exhibit the notice, but they cannot use the dispensing line. The regulations require that persons who go on the panels shall keep stock of medicines as in lists to be prepared and the appliances mentioned in the Second Schedule. This emphasises the fact that the Commissioners are referring to local committees the preparation of lists of prices (see Regulations 33 and 34), the settlement of these and correlated details being subject to the approval of the Commissioners. This differs essentially in principle from the Continental system, where there is one national tariff of charges (see *C. & D. Diary*, p. 465) from which chemists give a rebate. Many had expected that the Continental principle would have been followed in Great Britain, and they may be disappointed; but we think that reflection will convince them that the plan adopted is the better way, since prices will be fixed for each locality in accordance with local requirements, the Commissioners controlling according to a tariff of charges in the compilation of which they have the assistance of representative men with special knowledge. It is obvious from the absence of monetary figures in the Regulations that fees and prices have still to be fixed. The Chancellor of the Exchequer received on Wednesday a deputation of medical men on this point, and it is understood that he is to lay the whole matter before the Cabinet, therefore we must consider that doctors and chemists are not yet out of the wood; but there is no reason to suppose that chemists are not getting what the Act provides for them.

## Patent-medicine Inquiry.

The House of Commons Select Committee on Patents Medicines will resume its deliberations as soon as the House reassembles for the Autumn Session next week. Further evidence will then be taken, and it is unlikely that the inquiry will be brought to a termination until the early part of next year. In the meantime the Committee continues to receive from various quarters a great deal of information bearing upon the subject-matter of the inquiry. In this connection it may be stated that in the course of a very short time there will be forwarded to the Chairman a mass of evidence which was collected some time ago by the National Food Reform Association, with the object of impressing upon the Government the necessity of instituting some such inquiry as that which has now been embarked upon. The Association took a leading part in the agitation for an inquiry into the sale of patent medicines, and has collected through the British representatives in foreign countries and the Agents-General in this country much valuable information as to the state of the law in Continental and other countries. This has been obtained from Austria-Hungary, Italy, France—in regard to which country a valuable report was forwarded by Mr. Douglas Hogg, a leading English chemist in Paris, on the subject of "remèdes secrets"—Berlin—as to which a special report was prepared by the German Government—and the United States, in regard to which Mr. Bryce, the British Ambassador, caused a special report to be drawn up. Reports have also been furnished by the Agents-General for the self-governing Colonies—Canada, Tasmania, New Zealand, South and Western Australia, New South Wales, Queensland, and Victoria, all indicating the state of the law in those parts of the Empire. The whole of this evidence was submitted some time ago to the British Medical Association, but as that body was overwhelmed with the preparation of its own case, it was not thought advisable to incorporate it in the testimony which was laid before the Committee by the representative of that body. Consequently it will be forwarded to the Committee by the National Food Reform Association for the use of Sir Henry Norman and his colleagues, one of whom, Mr. Charles Bathurst, M.P., is a prominent member of the Association. The Chairman of the Parliamentary Committee of this body is Mr. J. S. Fletcher, M.P., and as soon as Parliament reassembles meetings will be held in connection with—among other matters—the promised legislation dealing with the question of milk. It is desirable in this connection that the fact should not be lost sight of that the Select Committee was "appointed to consider and inquire into the question of the sale of patent and proprietary medicines and medical preparations and appliances, and advertisements relating thereto." By no stretch of the imagination can the terms of the reference be construed to include infants' foods, which, we understand, is the object of the National Food Reform Association.

## Principally Profits.

It is surprising how comparatively uninteresting to chemists and druggists as such the reports of the Department of Inland Revenue have become since the Customs and Excise took over some of its work three years ago. Among that work were medicine-stamps and administration of the Statutes dealing with the sale of stamped medicines. It now appears that this subject alone gave pharmaceutical interest to the Report of the Commissioners of Inland Revenue, for the uppermost feeling in our mind, when perusing the report for 1911-12 with a view to gleaning from it points of pharmaceutical interest, has been that it almost requires an apology to mention it in The Chemist and Druggist. Estate-duties, Corporation-duty, Stamp-duties, Land-tax, Inhabited-house Duty, and Income-tax are the subjects chiefly dealt with, and chemists and druggists lurk somewhere in the report, but as such they are not manifest. Certainly there are no chemists' assistants among the eight employés in the United Kingdom whose incomes are between 5,000*l.* and 10,000*l.* a year, nor is the gentleman whose wages amount to 10,764*l.* connected with the drug-trade. As a matter of fact, we do not know, and we feel sure that even "Felix" and "Infelix" know no such person in pharmacy. It is notable, by the way, that while nine employés with incomes over 5,000*l.* a year are assessed under Schedule D, 161 are assessed under Schedule E, which means that they are Government, corporation, and public company officials. These 161 share 1,529,149*l.* among them. There are many more facts in the tables which induce reflection—*e.g.*, about 236,000 individual employers pay income-tax on incomes totalling 96,700,000*l.* (from 161*l.* to 50,000*l.* or over), and 92,172 employés pay similarly on 24,800,000*l.* within the same limits. The employés are, however, engaged by persons, firms, public companies, and local authorities; but the ratio is not so wide as one would expect; roughly, two employed individuals pay income-tax for every five individuals who are employers. The following are other figures worth noting:

| Income-tax paid by | | |
|---|---|---|
| 435,851 persons (excluding employés) | on | £108,778,289 income |
| 54,041 firms | ,, | £79,238 434 ,, |
| 41,933 public companies | ,, | £301.834,995 ,, |
| 11,854 local authorities | ,, | £25,740,707 ,, |

Considering that public companies were not provided for by Statute until fifty to sixty years ago it is astounding the share they are taking in the business of the nation, and it is even more astounding that chemists and druggists, or their leaders, let such companies grow in number within their ranks until 1908 without making an acceptable plan for controlling them by legislation. Many more reflections less or more germane to the drug-business occur to one on glancing through the report, but there are other things of stricter trade interest to be got into our columns this week. The following table embodies the statistics respecting alkali and other works to which certificates have been issued during the past decade:

| Year ended March 31 | England | Scotland | Ireland | United Kingdom | |
|---|---|---|---|---|---|
| | Number | Number | Number | Number of Certificates | Net Receipt of Duty |
| | | | | | £ |
| 1901-02 | 1,002 | 63 | 47 | 1,112 | 3,506 |
| 1902-03 | 1,004 | 155 | 45 | 1,204 | 3,780 |
| 1903-04 | 992 | 154 | 51 | 1,197 | 3,758 |
| 1904-05 | 995 | 79 | 50 | 1,124 | 3,534 |
| 1905-06 | 1,053 | 138 | 57 | 1,248 | 3,914 |
| 1906-07 | 1,048 | 143 | 59 | 1,250 | 3,918 |
| 1907-08 | 1,325 | 162 | 68 | 1,555 | 4,835 |
| 1908-09 | 1,241 | 164 | 59 | 1,464 | 4,552 |
| 1909-10 | 1,179 | 242 | 64 | 1,485 | 4,617 |
| 1910-11 | 1,236 | 198 | 62 | 1,496 | 4,670 |
| 1911-12 | 1,247 | 194 | 63 | 1,504 | 4,630 |

It will be seen that the chemical industry was a trifle better last year in England and Ireland, but not in Scotland. There is no other chemical reference in the report except "salt springs or works and alum works," which stand for profits amounting to 95,768*l.* What that

means the report does not tell. If it is the profits made by salt and alum manufacturers, there is a certain salt which a pharmacist invites all the world to "see how it runs" that has a big share, for it makes about 23,000*l.* a year.

## The World's Quinine.

Heer Abrahamsohn has recently published, on behalf of the Dutch East Indian Association for Promoting the Interests of Cinchona Cultivation, a second pamphlet giving the results of a further study of quinine-production and the use of quinine in malaria. The pamphlet deals only with the manufacture of quinine sulphate and takes no account of bark used for galenical and similar preparations. He states that quinine sulphate is now made by sixteen factories, three in Germany, two in Holland, one in England, four in France, two in the United States, one in Portugal, two in India, and one in Java. The equivalents in quinine sulphate of the purchases of cinchona-bark by the German, Dutch, French, and United States factories during the last five years (1907-11) have been as follows:

| | 1907 | 1908 | 1909 | 1910 | 1911 |
|---|---|---|---|---|---|
| | Kilos. | Kilos. | Kilos. | Kilos. | Kilos. |
| German ... | 173,095 | 152,405 | 161,699 | 172,179 | 171,746 |
| Dutch... ... | 81,554 | 76,101 | 77,833 | 80,189 | 89,052 |
| French ... | 12,848 | 14,703 | 17,148 | 19,355 | 22,707 |
| United States | 137,564 | 120,346 | 117,704 | 115,821 | 125,736 |

The author states that the German factories are united in a strong convention controlled by the Gold- und Silber-Scheide Anstalt of Frankfort, and that, with the exception of the Indian, Java, and Portuguese factories, all the others work more or less intimately with the German Convention. He mentions, for example, that the Netherlands Quinine-factory has a dividend guaranteed by the Convention and that the Amsterdam factory and the English factory are both strongly supported. The American factories are not controlled by the Convention, but certainly work in co-operation with it, and the French factories are in a measure dependent on it. The Amsterdam factory paid a dividend of 12 per cent. in 1911, but no information is available as to the profits of the Convention. The Bandoeng factory has bought the following quantities (kilos.) of bark in the years 1907-11: 958,974, 1,171,723, 1,756,535, 171,225, 1,122,504. In 1907 it paid 9 per cent. and in the three following years 10 per cent. dividends.

Heer Abrahamsohn points out that it is difficult to estimate the world's production of cinchona, but states that Java has a practical monopoly, and that as the price per unit is now unremunerative to some undertakings there is certain to be a fall in output. The Java bark is practically all sold in Amsterdam, and bark from other places in London. The total offers in London in 1911 amounted to 487,760 kilos., including 237,840 kilos. from Java, while the total Java production was about 9,000,000 kilos. Taking the best available figures, it is estimated that the world's production of bark was equivalent to 622,505 kilos. of quinine sulphate in 1911, of which 598,032 kilos. was Javan. The rest of the pamphlet deals with the use of quinine in malaria, and points out that the quantities sold by retail are small compared with those distributed by Governments in campaigns against malaria. In 1908 the Italian Government made a profit of 769,809 lira by the sale of quinine, which it bought at 10 to 11 florins per kilo., made into tablets and sold cheaply to the peasants. References are also made to the effect that the destruction of mosquitoes, now being carried on vigorously in many tropical countries, is likely to have on the demand for quinine, and mention is made of various new remedies against malaria. An appendix gives analyses made by Van Leersum of (1) quinine made at the Government factories in India, (2) "febrifuge" made at the same factory, and (3) Japanese pills used as a preventive of fever. The Indian quinine was in yellowish crystals, quite unsuitable for ordinary trading purposes, and contained 70 per cent. of pure quinine. The "febrifuge" had the following percentage composition: Quinine, 9.65; cinchonidine, 15.8; cinchonine and amorphous alkaloids, 70.05; impurities, 4.50. The pills consisted entirely of cinchonine and a binding material.

### The Dominions Royal Commission.

In last week's issue (index folio 512) we inadvertently named the body before which it is proposed to give evidence in regard to drug-culture as the British Empire Council of Commerce, instead of the Dominions Royal Commission. Lord Inchcape was the President of the latter body, but he has resigned and has been succeeded by the Right Hon. Arnold Morley. The Commission, we understand, was appointed in pursuance of a resolution passed at the Imperial Conference of 1911, and contains the names of several well-known commercial men connected with the Colonies. Since its inauguration the work has mostly been of a preliminary character, but we understand this is now completed for the performance of its work and that in a few weeks the Commission will reassemble in the United Kingdom to take evidence. By its terms of reference the Commission is prepared to receive suggestions from associations or private persons in this country as to the possible development of the natural resources of the self-governing Dominions and the improvement and extension of their trade with each other and with the United Kingdom. Among the subjects which properly come within the purview of the Commission are the following: Strict enforcement of the law regarding trade descriptions; a British Empire trade-mark; merchandise marks and patent law; the removal of Colonial duties on trade-catalogues; commercial travellers' licences; the abolition of duties on commercial travellers' samples; and pilferage of imported and exported goods. The Commission is precluded from inquiring into or receiving evidence as to the effects of Customs or tariff laws.

The Dumb Wife.—When Rabelais was a medical student at Montpellier—the pleasant Southern city still noteworthy as the seat of a Faculty of Medicine and School of Pharmacy—he wrote for the amusement of the students and professors of 1530 an amusing skit entitled "The Comedy of he who Married a Dumb Woman." The Rabelaisian Society at Paris, having recently fêted the publication of a new edition of the author's works, M. Anatole France, the celebrated Academician, adapted this play for the circumstance, and it was performed before a select audience with great success. M. Botal, the judge, has a dumb wife. He calls in M. Colline, the doctor—assisted by the surgeon and apothecary—to cure her affliction. They restore her power of speech—and after a short experience the judge begs them to render her mute as before. "It is impossible," declare the men of science, "to prevent a woman talking once she has started, but we can render you deaf," and the husband accepts this half-remedy. There is little doubt, says M. Anatole France, that Molière drew several features of the "Médecin Malgré Lui" from this old anti-feminist farce, in which present-day anti-suffragettes should be interested.

# Objects and Limitations of Pharmaceutical Education.

## An Address by John Rymer Young, Ph.C., F.C.S.

**Delivered at the Inauguration of the Seventy-first Session of the School of Pharmacy, London, October 2, 1912.**

ON very good literary authority we are informed that "one man in his time plays many parts," and I am bound to say that my personal experience forces me to the conclusion that when a man or woman enters upon the pharmaceutical stage he or she is certain to illustrate and confirm that Shakespearean dictum. Forty years ago I was a pharmaceutical student within these walls, and, in all probability, conducted myself with that impropriety and lack of reverence and decorum characteristic of students in all ages. You will look in vain for my name on the tablets of the famous that adorn these walls, because it is not there.

'Tis not for me to "reason why,"
Perhaps someone had blunder'd.

Now, after playing every conceivable character in the repertoire of the Pharmaceutical Society, including, I am glad to say, the pleasant part of presenting rewards to successful workers so gracefully performed to-day by the President, I am charged with the grave and important *rôle* of Official Preacher, and am expected to inculcate the very educational and other virtues which appealed so lightly to my ethical sense in 1870. There may appear to be an element of Gilbertian humour in selecting me—of all people—to give the inaugural address; but perhaps it indicates that my friends and colleagues recognise that I have now reached that stage of existence when the iteration of "wise saws and modern instances" is the only mental exercise within my declining powers. As that terribly disconcerting master of the art of undressing Truth, G. B. Shaw, says, the man who can—does; the man who cannot—preaches. No doubt the Shavian wisdom was in the mind of the Council when I was asked to discourse to past, present, and future students of the School of Pharmacy gathered here this afternoon, but I must put up with the implication of political superannuation so subtly and gracefully conveyed to me, and must endeavour to convey by verbal (and perchance verbose) media those essentials, principles, and truths which, did fate permit, I should like to practise, employ, and illustrate by personal example among the younger generations of pharmaceutical aspirants. I cannot do better than occupy the brief period allotted to me by discussing the objects, methods, and limitations of what we pharmacists know as education, and it is quite probable that the views I may express may not be strictly canonical, for I have an inborn and lifelong objection to bind myself by arbitrary rules or generally accepted opinions on everything in general, or anything in particular, especially when those canons are in the nature of fetters for the intellect. But whether my words square with convention or whether they do not, they will, at any rate, possess the merit of personal sincerity—I do claim that!—a quality every student should put into his work and every human being into his life. The objects of true pharmaceutical education are, in my view, not to evolve a creature which can swallow unlimited syllabuses, digest them with apparent ease, and convert them into brilliant examination replies, but to produce worthy pharmacists who shall be, by their art and by their personality, respect-compelling citizens of the community they desire to serve. Some of the most egregious asses in creation are to be met with among the scholastic successes of modern educational life—they are plentiful enough, goodness knows—and if I thought the time, money, and energy expended by generations of pharmaceutical Councillors on this School of Pharmacy of ours merely meant the subsidising of machine-turned medicine handlers. I should grieve over every hour and coin and effort recorded in the seventy-one years of official history. Fortunately for those who have emerged from the pupilage state, as well as for those who are now entering upon their technical work here, the Bloomsbury professors and their demonstrators manage to impart something more than the contents of text-books into the minds of their charges, and something more than mechanical skill into the manipulative work taken in the laboratories—I mean some of the character, enthusiasm, and personality of the teacher, so that the danger of turning out veneered specimens of pharmaceutical donkeyhood is greatly eliminated. One cannot sit at the feet of a Lancashire professor of chemistry without catching some of the higher qualities of manhood inseparably associated with the neighbourhood of Manchester (near Warrington, please note); nor could anyone conceive a session passed with our Professor of Pharmaceutics that did not make for much added common sense for the fortunate student.

John Rymer Young, J.P., Ph.C., F.C.S.
Entered the School of Pharmacy and passed the Minor examination in February 1871 and the Major in July 1872. Business in Warrington, where he invented an electric-alarm poison-cupboard. Became a Fellow of the Chemical Society in 1877. In his forty-third year (1893) became a candidate for the Pharmaceutical Council with the support of the Manchester Pharmaceutical Association, and was elected one position (thirteenth) ahead of Mr. C. B. Allen (fourteenth), whom he succeeded as Vice-President in 1904. Became President on the resignation of Mr. R. A. Robinson in December 1906, and was succeeded by Mr. J. F. Harrington in June 1909.

The Policy of the Pharmaceutical Society from the very first has been educational, in its best and most rational sense, and during the early years of its existence that policy was one which commended itself to high and low in the calling. I am sadly afraid it is

not universally so now. A growing number are always clamouring for what is sometimes called a "bread-and-butter" policy, which, being interpreted, means a policy of light exertion and quick returns. I verily believe that the high priests of that policy would not be averse to exchanging their status as registered persons for the possibility of a slightly increased commercial profit. The general standard of luxury having risen so high, it is not surprising that pharmacists find the profits of yore inadequate to maintain the comforts demanded by modern convention. Of course, some*one* or some*thing* must be blamed for this condition of things, and so "education" comes to be regarded and described as a taking of the financial bread from the pharmaceutical mouth. But it is no more reasonable than it would be to blame a Government Department for a wet summer. Much diversity of opinion exists as to the necessity for all the training and drudgery imposed by the Society's examination requirements. "Why should a man be forced to spend three years' hard labour in grinding for a qualification to fit him for the retailing, at cost price or thereabouts, packed parcels of George Washington's Curative Compound?" asks one set of inquirers. "Over-training and scholarship spoil a man for business," is the dogma of another set. "Teach the young men to make a good living instead of dosing them with super science," advise a third set of the practical—or so-called practical—school. But what does it all mean but unreflective protest against the inexorable fact that "art is long" and that there is no short cut to remunerative excellence in any vocation. Preparation is the only sure basis of success. As a matter of fact, if the "bread-and-butter" school only knew it, there is no better policy for commanding commercial success than rational education. I do not mean the mechanical teaching of dexterity that makes a man into a smart substitute for machinery, but the development and cultivation of mental and moral faculties that enable an average mortal eventually to fill his destiny in the work-a-day world, and become "the master of his fate—the captain of his soul."

Education should be a Guiding of Existing Powers to their highest forms of expression, not the mere grafting of dead fact upon the tree of life; but in modern practice it too often means the substitution of conventional formulæ for the natural exercise of the thinking and reasoning faculties. Thinking is, thank God, not an exact science, and ought not to be treated as such. Its domain commences where science (by which I mean exact knowledge) ceases, and there are no finite borders within its realms. The courses of study to which a student submits himself should be simply regarded as the alphabet of thought—the ABC which will enable him in due time to become articulate and express his personality in the calling he has chosen—to exercise, in fact, the power of allowing his natural self to dominate his artificially acquired accomplishments. As Sir Thomas Browne says, in language described by a distinguished physician and writer as more admirable than anything in English literature, "Every man truly lives only so long as he acts his nature or in some way makes good the faculties of himself." Depend upon it, if a student is so trained that his personality remains mute under the burden of partially digested data, he will, and can, be nothing more than a servant to his memory, however brilliant his examination record may be. Therefore, I implore every student to be a master of his knowledge rather than allow his facts to enslave his mental and intellectual outlook—in fact, scholastic pabulum should be absorbed as physical luncheons are; that is to say, to "keep up the tabernacle." It is the material from which thought may be developed, and is no more intended to dominate reason than the restaurant is to determine the policy of life. If either gets the upper hand it is bad for the student, for he becomes either a pedant or an epicure, and I do not know which is the more contemptible or useless of the two—both are abominations. If this conception of training and scholarship can be adopted by those destined for a pharmaceutical career, and if they mould all the energies of which they are capable into methods for giving effect to the conception in their studies, then most assuredly will it be found that education is no expensive and useless vanity, but the best commercial asset a business man can possess. The modern idea of life is represented to be a mad hustle for money. This may perhaps be a fair representation, I do not know—but what I *do* say is that if it is ordained that man must henceforth coin his brain in drachmas, there is only one successful minting process, and that is the one in which rational education is the main transmuting agency. Before turning to the limitations of education I should like to voice a warning to those embryo Galens, Greenishes, and Tildens who add dignity and picturesqueness to those benches on the left. Don't overdo your work—this caution is probably superfluous, but don't.

"Run if you like, but try to keep your breath;
Work like a man, but don't be worked to death."

In other words, let football and other recreative delights alternate judiciously with the more exhausting pleasures of quantitative analysis, so that with the aid of this happy blending of opposing joys you will not only *do* the right things in after life, but what Ruskin thought more important, you will *enjoy* doing them. Now as to limitations, if you are not already feeling a desire to place one on me. Education, like the brain ointment of the market-place quack, cannot do everything—there must be *something* to work upon! It has been said that "he who would bring back the wealth of the Indies must first carry out the wealth of the Indies," which, being translated, means that what you get from the class, lecture, or laboratory bench depends very considerably upon what you bring to it. To treat the School of Pharmacy as an automatic machine into which guineas are put into the slot in the hope of pulling out a certificate of qualification is to invite disappointment and all the attendant evils of misplaced confidence—nothing can come from nothing; but put into the educational crucible the best of the crude, untutored forces of yourselves, and whether a statutory qualification results or not you will emerge with an invaluable possession that will last while life does—the competent skill and knowledge to employ wisely whatever faculties you may have been endowed with. Is that not worth money, O ye votaries of "bread-and-butter" worship?

The Moral

that I desire to point is one that is applicable to us all; for are we not as a class, nay, even as a nation, drifting into the habit of expecting too much from others—from the Society, from the Government, from the schoolmaster—and too little, much too little, from ourselves? The moral is, trust not to vicarious salvation, but *earn* it by personal worthiness and individual effort. Another limitation of education is that it cannot supply those finer shades of courteous and civil bearing to which we give the name of "breeding." I do *not* believe that "manners make the man," for who has not met with polished ninnies?—there are plenty about—but I do hold strongly that a courteous, sincere, and respectful habit in one's relations to others is a very powerful adjunct to the armoury of weapons with which one has to fight the difficulties of commercial or professional life. Knowledge does not furnish such an addition, nor can it be obtained from the Turveydrops of to-day; it can only be acquired, and then perhaps unconsciously, by constant association with the Bayards of the community in which one's work and one's play is done. It is a contagious virtue, and I commend in the strongest possible terms the value of choosing for colleagues in school or in life those who carry the bright outward signs of inherent good breeding and good manners.

I do not wish to weary you by running through the whole category of limits to which education is subject—Heaven knows it is a longish one—but I desire to touch lightly upon one more. All the schools of pharmacy in the universe cannot guarantee to the best of its graduates the gratitude of the public when business life has commenced. Pharmacists need not look for gratitude for, or even recognition of, the public services they render, for they will not get it. Three-score years of persistent endeavour to fit themselves for the position of trustees of the public safety have left them indistinguishable, for

all practical purposes, from the mass of unqualified adventurers in the domain of pharmacy with which this great and free (and foolish) country is swarming. Why, even a brand-new, enlightened, up-to-date State system of Insurance, admirable as it may be in principle, places on a dispensing level a man like your President and the man who for three years has juggled with a few stock mixtures in a rural surgery! Could anything be more grotesque? No, there are no laurel wreaths for pharmacists; there is no popular applause or reward from the exercise of pharmaceutical virtue as inculcated here in our School, and if any would-be student is so constituted as not to be able to exist unless placed in the draught of the *aura popularis* I should advise him to get his money back from the Secretary, if he can, and flee from the precincts of Bloomsbury to the region sacred to *the* profession. But *do* we want the unstable rewards of the gallery when we can command by courage, sincerity, and straight dealing the respect and confidence of the people in the midst of whom we have our temporary, and temporal, pitch? Personally I do not think we do, for with the belief of one's fellows in one's integrity and veracity all that is worth anything will come in due sequence, even unto adequate remuneration. It seems necessary that I should bring these thoughts into my remarks, as my experience as a past-President brought me into contact with many pathetic instances of the Society being blamed for the ingratitude of a locality towards a hopelessly impossible chemist and druggist.

I have already said that the policy of the Pharmaceutical Society has always been, and still is, educational, and for this there is occasion to be grateful; but we cannot, of course, afford to ignore the fact that there is a commercial aspect of affairs that demands consideration, and in this, quite naturally, your professors and School are powerless to help you. It must not be forgotten that nowadays capital is absolutely necessary in establishing and developing a good sound business. Of course, it was always so, more or less; but more, much more now than ever before. I am fully aware that it does not require any great strain on the exchequer in order to dispense the average prescription, and you may have satisfied the Board of Examiners as to your fitness for *that* work, but you have yet to satisfy a critical and often very unreasonable, sceptical public as to that same fact—a much more difficult task, I assure you—and to do this you will need tact, perseverance, enterprise, patience, and time. In addition, and quite as essential, you must have a well-equipped pharmacy in a good, likely position.

Obviously All This Means Money.

I do not forget that many excellent businesses have been built up the proprietors of which commenced with practically nothing in the way of pecuniary advantages. All honour to these men of grit and pluck. On the other hand, the fact cannot be overlooked that there are instances, familiar to us all, where with capital ample, position good, pharmacy quite first-class, and introduction influential, yet withal the owners thereof seem to have made a wretched botch of things. I am conscious of all this, but I am not dealing with the exceptional and abnormal, but with the rank and file, with the majority, the normal; and I repeat that unless furnished with a fair amount of the needful the budding pharmacist is terribly handicapped. In such circumstances the game, in my opinion, is not worth the candle.

It is common knowledge that not more than 25 per cent. (probably not so many) of the chemists in business in this country find it possible to extract a decent living out of pharmacy pure and simple, and by that I mean dispensing and the sale of poisons; the rest of us, including myself, have to augment our incomes as best we can by side-lines and other departments, legitimate and appropriate enough, but it must always be remembered that we are thus brought into direct and severe competition with huge resources and unlimited capital.

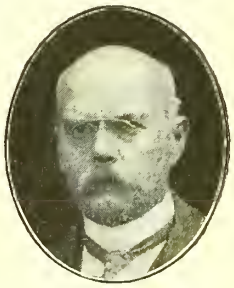
Will you now forgive me making an appeal, a final appeal, to the young men and women who enter upon their finishing course to-day? There is nothing so likely to return a heavy dividend upon a small capital outlay of trouble as the cultivation of a habit of clearness in speech, in writing, and in thought. Half the troubles of the business world would not occur if everyone spoke with knowledge and directness, and wrote his epistles so that the recipient can decipher and understand them readily. May I recall the story of a celebrated ecclesiastic who was trying to read a letter from Dean Stanley? "This is a lovely letter of Stanley's," said the dignitary, sweetly, "but so far I have managed to read only one word, and that *looks* like 'damn.'" In regard to clear thinking, I do sincerely hope you will not confine your powers of concentration to the detection of subtle differences between COOH and $CHO_2$, but will extend them to political and other extra-pharmaceutical matters, so that future Presidents may not have to face the painful experiences I had to wrestle with in 1908, when many registered men appeared to be incapable of grasping the radical difference between economic adjustment and cowardly surrender, betwixt equitable compromise and disgraceful betrayal. I want the future pharmacist to be a man of the world and a man of sense; firm without narrowness, progressive without rashness. I want him to become what Professor Remington said of Michael Carteighe:

"A man whose soul is pure and strong,
Whose sword is bright and keen,
Who knows the splendour of the fight,
And what its issues mean."

So shall he become a power in the land, a pride to pharmacy, and a blessing to his day and generation.

## A Twenty-fifth Anniversary.

The twenty-fifth anniversary of the foundation of Messrs. Henry W. Bush & Co., Ltd., druggists' sundries manufacturers, Rembrandt Works, Commercial Street, London, E., was celebrated by a dinner given to the employés by the company at the London Tavern, Fenchurch Street, E.C., on October 1. Mr. Henry W. Bush presided over the guests, of whom about ninety were present, including Mr. G. Hesselmann, Alderman Schultze, J.P., Mrs. Henry W. Bush, Mr. R. J. Bush, Mr. and Mrs. Pegg, Mr. and Mrs. Thornton, Mrs. Le Beau, Miss H. Smith, Messrs. Firth, Phelps, Cecil Walker, Henry Walker, J. Alexander, Gimson, the Masters Harry and Alan Bush. After dinner and the loyal toasts there was a pleasant interlude, when Mr. S. Thornton, one of the directors, on behalf of the employés, presented Mr. Henry W. Bush with a handsome solid silver rose-bowl and an illuminated address conveying hearty congratulations to the founder of the firm on the attainment of the twenty-fifth anniversary and on the prosperity and success which had crowned his efforts. The Chairman, in a heartfelt reply, gave some interesting reminiscences of his business career, alluding to the fact that his first start was in a third-floor back office in Basinghall Street, his furniture consisting of a second-hand table for which he gave 30*s*., and a chair for which he gave half-a-crown. His "first hit" was in the feeding-bottle line, this being the genesis of a business in which ultimately he became known as a manufacturer of feeding-bottles. Mr. Bush told of the uphill struggle which eventually resulted in his success, and dwelt upon the various expansions of the business and the number of removals necessitated by the increasing prosperity of his undertaking; even at the present time they were cramped for space. The toast of "The Office" was proposed by Messrs. Leach and Glover, and replied to by Mr. Burton. Other toasts included "The Warehouse," "The Ladies," and "The Visitors," Alderman Schultze, of Deptford, replying to the latter. The Chairman also proposed "The Press," to which a representative of The Chemist and Druggist replied. An excellent musical programme was rendered between the toasts, the talent being supplied by the employés, including Misses Rose Clements, A. Bird, C. M. Bell, E. M. Piper, and B. Schmidt, and Messrs. W. H. Hutchinson, C. J. Burton, H. Price, H. Glover, A. C. Guy, G. J. Le Beau, C. Odell, H. Leech, W. G. Griffin, G. H. Kirk, H Glover, A. Chamberlain, and F. Masters. The evening was brought to a close at a late hour with the National Anthem and "Auld Lang Syne."



Mr. Henry W. Bush.

# London Medical Exhibition.

THE eighth Medical Exhibition organised by the "British and Colonial Druggist," which is being held this week at the Royal Horticultural Hall, Westminster, London, S.W., differs little from its immediate predecessors in size and arrangement. Nearly all the exhibitors confine their exhibits to staple products with established reputations. A feature emerging this year is the extending use of petroleum as a laxative intestinal lubricant. Nerve-foods are also greatly in vogue, as also restoratives with port as a basis. General displays of

PHARMACEUTICAL PRODUCTS

are much in evidence, as these notes testify.

The BAYER CO., LTD., display an interesting selection of their pharmaceutical products, including cycloform, a new local anæsthetic and antiseptic, and synthetic hydrastinine hydrochloride. BURROUGHS WELLCOME & Co. always strike a keynote of elegance with their diversified display. On this occasion particular attention is being paid to ergamine as a uterine stimulant, and ernutin as "ergot idealised." "Tabloid" bismuth-subsantonate compound is a new stable form of the vermifuge santonin, while tabloid epinine compound is the latest development of epinine therapy as applied to throat-affection in which the capillaries are congested. "Vaporole" products and a full range of compact hypodermic cases and medicine-chests are also exhibited. CORBYN, STACEY & CO., LTD., have a bright display of fine galenicals, the most interesting of which are elixir lecithin c. pepsina, gelsemoids (neuralgia tablets), enzyme cordial, nebula atropinæ co., and saxol (purified petroleum laxative). DUNCAN, FLOCKHART & CO. give prominence to organo-therapeutical remedies, including primary vaccines, tuberculin dilutions, and gland products. The materials from which pituitary fluid is made are on view, the high price of ergot favouring the more extended use of pituitary extract. "Delectol" is a purified petroleum in confection-form for use as a laxative. A fine display of anæsthetics fills the back of the stand. WILLIAM MARTINDALE occupies a recess with a comprehensive collection of specialities, the centre of which is occupied by copies of the "Extra Pharmacopœia." Other items well to the fore are tylcalcin and tyllithin, lecithin emulsion, glycetracts, combinations of glycerophosphates with dried milk and with confection of malt, and the vaso-dilators, erythrol and mannitol nitrates. OPPENHEIMER, SON & CO., LTD., draw special attention to the advantages of pulverettes over compressed tablets and massed pills, as well as to the use of "Collosols" as bactericides. The "Optimus" is a new all-glass nebuliser. PARKE, DAVIS & CO. typify modern therapy at their handsome stand. Thyroprotein is a standardised thyroid product, which is claimed to be the most powerful yet offered. Quinine and urea (for anæsthesia) and scarlet-red ointment (5 per cent.) are preparations prepared to meet comparatively new phases in medicine. Soft mass chocolate-coated pills and P.D. emulsions impress the visitor as being pharmaceutically perfect. Demonstrations are also in progress showing the amylolytic activity of taka-diastase. JAMES WOOLLEY, SONS & CO., LTD., give pride of place to their new super-malted food and to "Valkasa" tonic nerve-food. Solutio sodæ phenatis is an old favourite also well to the fore. Jecoval, ergoval, boval trusses, and aseptic sprays are other noteworthy products displayed. C. J. HEWLETT & SON, LTD., have a comprehensive display of their original preparations, new sprays and vaporisers, and new surgical instruments. Deliciol is a soft paraffin in strawberry or chocolate flavours, for use as an intestinal lubricant. Hæmorrhaline is an improved pile-ointment. FAIRCHILD BROS. & FOSTER devote much space to panopepton, pepsencia, peptogenic milk-food, and laibose. "Enemose," which contains 60 per cent. of nutritive solids, is a new nutrient for colonic administration; and "Oxyntin," another novelty, is dry hydrochloric-acid albumen. The CHARLES H. PHILLIPS CHEMICAL CO. are insistent upon the pre-eminent virtues of "milk of magnesia" as the perfect antacid and aperient. The firm's new advertising novelty is a profile-map of the Panama Canal. SAVORY & MOORE, LTD., have a well-arranged exhibit in which their foods and peptonised preparations predominate. Fructolax (hydrocarbon laxative), fructole (the new chemical food), and aphrodont (dental foam) are coming in for much attention. A. & M. ZIMMERMANN display a wide range of therapeutic substances, novatophan (a tasteless form of atophan), pellidol (a stainless scarlet-red), and azodolen (pellidol with iodolen) being the principal new medicaments.

Many firms confine their exhibits to comparatively

SPECIALISED PRODUCTS.

JOHN BELL, HILLS & LUCAS, LTD., occupy most of their space with the profit-bearing foods ceregen and zoegen. The "Cresyl-Bell" vaporiser and an antiseptic floral spray are also shown. JOHN BELL & CROYDEN, LTD., have on view a model of their ideal apparatus for sterilising dressings. THE BRITISH DRUG HOUSES, LTD., give pride of place to sempules, this new form of suppository being advocated as of special value for treating hæmorrhoids. The uses of herogen, eau de mente de Dalmahoy, Esvach water, and Boyd's banana malted food are the other items in the propaganda at this stall. An addition to the armamentarium of the BRITISH ORGANOTHERAPY CO., LTD., is ovamammoid compound (Lowenthal). CEREBOS, LTD., descant upon the purity of the materials which compose their table-salt. THOMAS CHRISTY & CO. have on show many of the well-known preparations for which they are agents. They are extolling chiefly the virtues of glycothymoline, pertussin, Hoff's malt-extract, pepto-mangan (Gude), vitogen (dressing powder), lysoform, and Pyshan points tanninless tea. HOFFMANN-LA ROCHE CHEMICAL-WORKS, LTD., have a fine display of alkaloids. Omnopon (opium alkaloids) and thiocol (water-soluble guaiacol product) are to the fore here. The JELLOID CO. have a dainty stand at which the propaganda of iron jelloids as "the reliable tonic" is being carried on. JEYES' SANITARY COMPOUNDS CO., LTD., have a big representation of cyllin, the non-toxic bactericide, and its congeners. MENLEY & JAMES, LTD., concentrate chiefly on malt-glidine, their new nerve-restorative and food-tonic, and on iodex, their stainless iodine application. Medical men are also being impressed with the advantages resulting from the lowering of the prices of iodoglidine, bromoglidine, arsan, and luesan. The OZO MEDICATED AIR CO., LTD., are pointing out to visitors the advantages of their medicated inhaler in hay-fever, asthma, and influenza. PEARSON'S ANTISEPTIC CO., LTD., enthuse upon the advantage of pacolol, a saponified cresol disinfectant which mixes clear with water, for surgical purposes. Hycol, on the other hand, yields a milky emulsion. Both have guaranteed carbolic coefficients. E. T. PEARSON & CO., LTD., are interesting medical men in their galactagogue, lactagol (cottonseed extract). They also show a full series of vasogen preparations. PETOL, LTD., are extolling the advantages of their peat preparation in skin-diseases. Regulin, the patented combination of agar-agar and cascara sagrada, is shown in scale, powder, and biscuit form by the REGULIN SYNDICATE, LTD. The last-named is new and is designed for use by invalids and children. A. WULFING & CO., besides exhibiting their staples, sanatogen, formamint, and albulactin, call the attention of medical men to their new product cystopurin, or hexamethylenetetramine sodium acetate, for use in affections of the urinary tract. The SACCHARIN CORPORATION, LTD., put forward trivalin (morphine, caffeine, and cocaine valerianates) as an anodyne which is not a soporific, and novocaine, their non-irritant local anæsthetic. Tulloch's gold alloy is also shown here. This open formula dental alloy is characterised by absence of copper, low percentage of zinc, and high proportion of tin. Pergenol continues to gain favour for sterilising instruments, as it does not affect their polish. STERN & CO. show their pumiline pine-oil preparations, as well as the new creosote compound for inhaling. G. H. ZEAL demonstrates his ingenious "Repello" clinical thermometer. The extrusion of the mercury from the flattened bulb at the top is due to the flexibility of the thin glass, a point which mystifies many, who attribute it rather to the heat of the hand. The resetting case for ordinary clinicals also attracts attention. CHAS. ZIMMERMANN & CO. are exciting the curiosity of medical men with their exhibit of radium and

radio-active preparations. A dark-room permits demonstration of the activity of radiogen drinking-water by means of a suitable screen, while the Elias electroscope on view permits its strength to be measured with great accuracy. Pasta Liermann is a new aseptic bolus-paste for surgeons' use. Lysol is also a big feature here.

### Appliances and Apparatus.

James Barker has since last year made ingenious improvements in his vibrators, allowing a much wider range as regards frequency and strength of the vibrations. Hawksley & Son show several types of sphygmometers, Dr. Mackenzie's polygraph being the most important of these. Schall & Son are specialists in electrical apparatus for *x*-ray therapy, cautery, and ionic medication. Salt & Son, besides a selection of surgical appliances and kidney-belts, show some orthopædic appliances made in duralumin. Walton & Curtis exhibit the "Curtis" abdominal support and "Walcur" elastic hosiery.

### Foods.

Cadbury Bros., Ltd., titillate the visitor's palate to advantage with dainty samples of their chocolate confections. Horlick's Malted Milk Co. show how their invigorating product should be mixed *secundum artem*. Hygiama Foods Co. are impressing on physicians the moderate cost of their hygiama and infantina, when their high content of proteids and phosphates are taken into consideration. Liebig's Extract of Meat Co., Ltd., revitalise visitors with oxo dispensed in dainty cups, while at the same time oxo cubes and nursing oxo are introduced to one's notice. Bovril, Ltd., and Virol, Ltd., have a joint display of their products. Pascon, the digested albumen and fibrin of meat, is to be put on the market shortly by the Pascon Co., who definitely state that it is not a meat-extract. Its combinations include biscuits, nutrient (with meat-extract), port, and chocolate. St. Ivel, Ltd., prove the palatability of visem, their new milk casein and lecithin food with glycerophosphate of sodium. The medical man is also reminded that St. Ivel lactic cheese contains the lactic bacillus in its natural habitat.

### Wines and Waters.

Coleman & Co. are well to the fore with their standard tonic wine "Wincarnis." H. G. Kingham & Co. are desirous of investigation of "Me-Malto," their meat-and-malt wine, which is guaranteed to be made with Alto Douro port. Larkin, Ltd., specialise in natural wines suitable for invalids, including "Invador" port and "Bonsanta" sherry. Stephen Smith & Co. lay emphasis on the purchase of a new vineyard at Tatachilla, which is the largest in South Australia, as further proof of the purity and genuine nature of their Keystone Burgundy. Hall's wine as a restorative, and Carvino as a tonic, are also being sampled. Natural mineral-waters are as usual well represented. Ingram & Royle, Ltd., show many of the mineral waters which they import, those specially noticeable being Carlsbad, Contrexéville, Evian-Cachat, and Vichy. Friedrichshall water is also shown here and at the stand of C. Oppel & Co. E. Del Mar, the agent for Vittel water, has a big display of this medicinal table water. The Vitaregis Water Co. exhibit their sulphur-water, while Nieders Selters and Fachingen have a joint display. The Salutaris Water Co. are making a speciality of still salutaris in antique jars.

### Miscellaneous.

Fassett & Johnson display a selection of their neatly packed surgical dressings and plasters. Thermogene, emol-keleet, cocacorn (acorn cocoa), and California syrup of figs are also exhibited here. The Endolytic Tube Co. demonstrate the bedside use of their capillary-tubes containing urine-testing reagents. Hudson & Rickett, Ltd., exhibit the Kaloof (asbestos and loofah) compress. Arch-supports find two exponents. The Scholl Manufacturing Co., Ltd., adapt their foot-easers by modelling with a machine. The Supinator Co. use movable springs to adjust the amount of support given. Droitwich as England's brine-bath spa is the message at Stand 54. Other exhibits of interest to chemists include Angier Chemical Co., Ltd., B. Braun (sterilised catgut packed in various styles), Callard & Co. (starchless and sugarless foods), Glaxo, Keen, Robinson & Co. (patent barley and Colman's sinapisms, etc.), Maltine Manufacturing Co., Ltd., Radium, Ltd. (activators for making radio-active water, and radio-active earth).

## Congress of Pharmacy.

At The Hague, Holland, on September 25, was held a general meeting of the Fédération Internationale Pharmaceutique. The following delegates and members were present: Messrs. J. Damen (President of The Hague Pharmaceutical Society), J. J. Hofman (Secretary of the Federation), and G. R. Ten Burg, of The Hague; Messrs. O. v. Schoor and V. Haazen (Antwerp), Dr. A. Schamelhout (Brussels), Mr. Martin (Mons), Dr. H. Thoms (Berlin), Dr. J. F. Suyver (Amsterdam), Mr. H. J. Möller (Copenhagen), Mr. E. White (London), Mr. L. Mouliets (La Teste de Buch), Dr. L. van Itallie (Leyden), Mr. R. J. L. Schoepp (Maastricht), and Mr. W. Hoffman (Aix-la-Chapelle). At two o'clock the delegates, who met in one of the rooms of the Government offices, were presented to the Minister of the Interior. Thereafter followed the business of the meeting, which consisted in transforming the Provisional Committee appointed at the Brussels Congress in 1910 into the General Committee of the Fédération Internationale Pharmaceutique, which is to undertake the organisation of the International Congress of Pharmacy to be held at Scheveningen, The Hague, from September 17 to 21, 1913. The accompanying photograph was taken in the course of the proceedings.

Organising Committee of the International Congress of Pharmacy.

*Sitting, from left to right:* Joh. Damen, L. Mouliets, O. v. Schoor, L. v. Itallie, R. J. L. Schoepp, J. J. Hofman, G. R. Ten Burg, W. Hoffman. *Standing:* E. White, Martin, V. Haazen, Dr. J. F. Suyver, Prof. Dr. H. Thoms, H. J. Möller, Dr. A. Schamelhout.

Take The Chemist and Druggist; it will well pay you. There is no better value possible.—*Arthur E. Neal (Yeovil).*

# WINTER SESSION.

**Secretaries of Associations whose meetings are not open to reporters are requested to send their reports to the Editor not later than the Wednesday or Thursday following the meeting. Notices of meetings to be held are inserted under "Coming Events" if received by the Editor not later than the Wednesday of the week before the meetings are held.**

**Chemists' Assistants' Association.**—The following is the draft programme for the first half of the thirty-sixth session:

October 10. Presidential Address, by Mr. P. B. Phillips.
October 17. Lantern-lecture on "Colour-photography" (lantern slides), by Mr. Mills.
October 24. Social evening.
October 31. Paper.
November 7. Reunion at Holborn Restaurant.
November 14. Lantern-lecture: "Science and the Criminal," by Mr. R. R. Bennett, B.Sc., barrister-at-law.
November 21. Impromptu discussion.
November 28. Lantern-lecture: "Radium and X-Rays," by Mr. F. H. Glew.
December 5. Paper, "Soap," by Mr. Smith, M.Sc.
December 12. Cinderella dance at Holborn Restaurant.
December 19. Christmas smoking-concert. Chairman, Mr. A. R. Arrowsmith.

Mr. Glew's lecture is to be given in the lecture theatre of the Pharmaceutical Society. Owing to the phenomenal success of the annual cinderella dance last session, an extra cinderella is to be held before the New Year. The price of the tickets will include the supper. Intending members can obtain the programme and last session's proceedings on application to Mr. G. W. Roberts, Hon. Secretary, 73 Newman Street, London, W.

**Cornwall.**—The first general meeting of the Cornish Pharmacists' Association was held at Truro on Tuesday, September 24, Mr. H. H. Cannon (Penzance) in the chair. Messrs. Edwards, Northey, Masters, Gee, Williams, Cannon, Bond, Pearce, Carter, Roberts, Hocking, and W. T. Hall (Secretary) were also present. The Secretary reported that over forty chemists had replied to the circular-letter intimating their willingness to join the Association. It was resolved that all members be summoned to the meetings pending the Insurance Act being put into full working order. The following officers were elected: *President*, Mr. A. C. Gee (Redruth); *Vice-President*, Mr. B. Carter (Penzance); and *Hon. Secretary and Treasurer*, Mr. W. T. Hall (Truro). Meetings will be held at Truro when necessary. The meeting agreed to a set of rules and fixed the subscription at 5*s*. A letter was read from Mr. Woolcock with reference to representation on local Insurance Committees, and the Secretary was instructed to ask all members to suggest names of those who would be willing to serve on such committees.

**Dewsbury.**—The first meeting of the session of the Dewsbury Pharmacists' Association was held at the Church House, Dewsbury, on September 30, Mr. A. B. Barker (Heckmondwike, President) occupying the chair. There were also present Messrs. R. Geldhill and G. N. Gutteridge (Dewsbury), J. Day (Savile Town), J. Rhodes (Mirfield), S. N. Pickard (Ossett), W. Blakeley (Birstall), H. Jones (Morley), W. Mortimer (Batley), and the Secretary (Mr. R. J. H. Day, Thornhill Lees). It was agreed to recommend the reappointment of the Divisional Secretaries as follows: Mr. R. Gledhill, Dewsbury division; Mr. S. N. Pickard, Morley division; and Mr. A. B. Barker, Spen Valley division. It was reported that Mr. W. J. Uglow Woolcock (Organising Secretary of the Pharmaceutical Society) would visit the Association on October 22, and arrangements were made for the meeting, which will be held at the Church House, and tea will be served afterwards at the Kiosk Café. Mr. R. Gledhill gave an interesting report on the British Pharmaceutical Conference at Edinburgh, which he attended as the Association's delegate. A discussion on "Insurance Matters" was opened by Mr. Pickard, who is a member of the West Riding Insurance Committee. He observed that negotiations are still proceeding with the doctors, and a reasonable settlement would probably be arrived at soon. They were all hoping the original intention of the Chancellor of the Exchequer would be effected, and the separation of dispensing and prescribing would become an absolute fact; and they were looking forward to Mr. Lloyd George adhering to the principle that no dispensing should be done except by qualified chemists. When the negotiations with the doctors had concluded, then would be the time for the struggling chemists to come on the scene and demand their rights. Mr. Pickard went on to say that the District Committees would shortly be formed, and he urged the necessity of chemists' associations selecting men for election on those committees. The names of the persons selected should be forwarded to the pharmaceutical representative on the Divisional Committee, so that they could be nominated when the opportunity arose. He mentioned that the West Riding Committee had already dealt with several cases of consumption, and the committee is negotiating for a building for the use of tuberculosis patients. A long discussion followed, one of the chief points raised being that of emergency cases. It was generally agreed that chemists would be defeating their own ends if they raised difficulties in the way of dealing with such cases, and that the better plan would be for chemists in one area to make arrangements whereby each would undertake in turn the responsibility of dealing with cases which happen in the night.

**Dorsetshire.**—On Wednesday, September 25, a meeting of Dorset pharmacists was held at the Antelope Hotel, Dorchester. Messrs. R. H. Groves (Blandford), T. J. Addis (Wimborne), F. Hancock (Weymouth), W. B. Beach (Bridport), A. F. Burnett and E. W. Tayler (Sherborne), R. Hine (Beaminster), B. H. Randall (Wareham), H. Lewis and H. Ayre (Poole), T. G. Aitkin (Parkstone), and W. S. Merrick, W. S. Spicer, and J. W. Cussons (Dorchester) were present. Mr. Merrick was voted to the chair. It was unanimously decided to form the Dorset County Pharmacists' Association, the following being the first officers: *President*, Mr. R. H. Groves; *Vice-President*, Mr. H. Ayre; *Hon. Treasurer*, Mr. B. H. Randall; *Hon. Secretary*, Mr. J. W. Cussons; *Committee*, Messrs. W. B. Beach, A. F. Burnett, F. Hancock, and T. G. Aitkin. A set of rules was discussed and adopted. It was suggested that meetings should be held at Dorchester, Poole, and Sherborne at times which the President and Hon. Secretary might consider desirable or necessary. Messrs. J. A. Haynes and H. Lewis were nominated for election to the *District Insurance Committee* for the Borough of Poole, Mr. F. Hancock for the Borough of Weymouth, and Messrs. W. Gregory and S. Richards for the Borough of Melcombe Regis. The subscription was fixed at 5*s*. per annum.

**Fife.**—A meeting of the Fifeshire Pharmaceutical Association was held at Kirkcaldy on Wednesday afternoon, October 2, Mr. James Bissett (Buntisland) in the chair. Mr. J. Rutherford Hill gave a full account of the present position under the National Insurance Act, explaining the gravity of the situation and what had been done by chemists' representatives. A discussion ensued, and the meeting resolved to support the action of the Joint Committee.

**Isle of Wight.**—A general meeting of the Isle of Wight Pharmacists' Association was held in the Mayor's Parlour, Town Hall, Ryde, on September 25. There were present Messrs. H. H. Pollard (President), A. W. Millidge, Barford, E. W. Pollard, B.Sc., Calderbank, Bray, W. J. B. Deeks, W. T. Smith, Blakely, Ritchie, Brown, Dunning, Woollings, Walter Hills, F. W. Smith, W. B. Wride, and H. J. Sadler (Secretary). The President expressed regret at the unavoidable absence of Mr. W. J. U. Woolcock, who was unable to be present owing to urgent business. The Pharmaceutical Society's Federation Scheme was warmly supported by Mr. Walter Hills, and received unanimous approval. Messrs. A. W. Millidge, Dunning, W. T. Deeks, and Woollings were appointed an Organisation Committee, with Messrs. E. W. Pollard and H. J. Sadler members *ex officio*. The rules of the Association were next confirmed, after which a discussion took place upon the National Insurance Act. Votes of thanks closed the proceedings.

**Lancaster.**—A meeting of the Lancaster Chemists' Association was held at the King's Arms Hotel on September 30. There were present Mr. J. Vince (President), Mr. W. Arkle (Vice-President), Messrs. Angus, Bate, Gorst, Marshall, Maxwell, J. B. Shattock (Hon. Secretary), Troughton, T. Taylor, and F. N. Whitehead. Messrs. Vince, Bate, and R. T. Simpson were selected to serve on the District Insurance Committee if appointed.

**London (North).**—The first general meeting of the North London Pharmacists' Association was held at Northampton House, Highbury, on Thursday, September 26, Mr. Peter MacEwan (President) in the chair. There were also present Messrs. W. J. U. Woolcock, W. D. Richards, John C. Carter, Ernest A. Brown, Charles W. Andrew, E. F. Pearson, A. W. Bromley, W. J. H. Clarke, J. H. Frost, E. A. E. Watkins, A. E. Bailey, J. McRostie, E. B. Dunn, T. Byass Jones, Henry S. Jones, R. Stevens Coates, John Holding, Peter Davidson, Thos. Clayton, G. Duncan Bowie, C. T. Bennett, Y. C. Young, A. W. Harrison, F. Palmer, M. Farr, A. Hobson, J. T. Davy, Geo. B. Barnard, John T. De Peare, A. H. Tuffin, G. T. Haslam, E. T. Barton, W. F. Jackson, S. O. Owen, H. C. Payne, W. Thorley, J. H. Morgan, R. J. Morgan, P. Stirrup, J. Noble, H. G.

Mumford, and the Secretary (Mr. Herbert Skinner). Mr. Woolcock, as Local Associations Officer of the Pharmaceutical Society, conferred with the members on the organisation of pharmacists in the neighbourhood, with particular reference to the National Insurance Act. The Secretary reported on the progress which the Association has made, stating that there are about two hundred pharmacists in business in the district covered by the Association, and that more than one-half of these have been enrolled as members. A small sub-committee has in hand the arrangements for the winter session. Meetings are to be arranged to be held at Northampton House twice a month to suit those who are able to attend either in the afternoon or evening. On the afternoon of October 17 the first of the series of meetings will take place, and the subject for discussion will be "Tuberculosis Dispensaries and the Preparation of Tuberculin." It was agreed to recommend the Pharmaceutical Society to reappoint the present Divisional Secretaries in the district. A list of suitable pharmacists to nominate for service on District Insurance Committees was drawn up. Mr. Lindsey, representing public institutions, Mr. Fouracre voluntary institutions, and Mr. G. Duncan Bowie wholesalers, were appointed additional members of the committee of the Association.

**Mansfield.**—Mr. Henry Highfield presided at a meeting of the Mansfield and District Pharmacists' Association on September 26. Messrs. Greaves, Stanley, Peat, Shacklock, Hickson, Turdale, Dickenson, Dax, Radford, Pegg, and A. H. Bell (Secretary) were also present. Messrs. J. T. Cree and H. Smith were elected members. The Secretary having reported that a circular regarding dispensing under the National Insurance Act had been issued, Mr. J. F. Dickenson was nominated as Divisional Secretary and Messrs. Pegg and Adams were nominated for the local Insurance Committee. It was decided to close the shops on Wednesdays at 1 P.M. and to call a special meeting to consider the desirability of a buying section.

**Merthyr Tydfil.**—A meeting of pharmacists in the Parliamentary Division of Merthyr Tydfil was convened by Alderman R. P. Rees, the Divisional Secretary, at Bentley's Hotel, Merthyr, on September 25. The object was to consider the working of the pharmaceutical portion of the National Insurance Act, to make arrangements for attending the first Federation meeting to be held at Cardiff on October 3, and to form a Chemists' Association. Mr. R. P. Rees was asked to preside, and briefly addressed the meeting. It was then unanimously decided to form an Association for the division, to be called the North Glamorgan Chemists' Association, the following officers being appointed: *President*, Mr. H. M. Lloyd; *Treasurer*, Mr. John Francis; *Secretary*, Mr. R. P. Rees. Draft rules will be submitted at the next meeting.

**North Kent.**—The annual general meeting of the North Kent Pharmacy Association was held at the Town Hall, Gravesend, on September 25. There were present: Mr. R. Feaver Clarke, J.P., in the chair, and Messrs. Emms, A. Farrow, R. T. Clarke, W. G. Wells, A. Gillett, A. Stooke, A. F. Corfe, F. W. Ostle, W. H. Westmorland, A. R. Turtle, W. Keeling, E. Lincoln, W. E. Clarke, A. W. Ryder, H. A. G. Peasnall, A. Goldthorpe, D. U. Still, and J. E. French (Hon. Secretary). The Hon. Secretary read the report and balance-sheet, which met with the approval of the members. A letter was read from Mr. Woolcock appointing November 27 for his annual visit, the meeting to be held at Gravesend. The following members were then elected as the *Committee*: R. Feaver Clarke, S. Chesterfield, R. T. Clarke, A. Fred Corfe, E. Millhouse, A. W. Ryder, A. A. Gillett, W. E. Clarke, A. Farrow, W. G. Wells, and F. W. Ostle. The following officers were also elected: *President*, Mr. R. Feaver Clarke; *Vice-Presidents*, Messrs. W. E. Clarke and A. F. Corfe; *Treasurer*, A. Stooke; and *Hon. Secretary*, J. E. French. The Association nominated the following Divisional Secretaries: A. W. Hanson (N.W. Dartford), W. Stedman (Medway), J. E. French (Faversham), A. Stooke (Chatham), W. E. Clarke (Rochester), A. J. Wing (Woolwich), and A. F. Corfe (Maidstone).

**Preston.**—A meeting of the Preston Pharmacists' Association was held at the Crown Hotel on October 1. There were present Messrs. Hadfield, Williamson, W. F. Livesey, Arkle, Mercer, Parkinson, Burnett, Fisher, Pomfret, Topping, Simmons, G. F. Livesey, Hindle, Walmsley, Gartside, and Freeman. It was arranged to hold the annual dinner on November 7. Mr. E. T. Lewis (Liverpool) and Mr. G. A. W. Stockwin (York) were elected "Visiting Members" of the Association. Messrs. Simmons, C. W. Swift (Martyn's Stores), and W. R. Bland (Boots, Ltd.) were elected members.

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The Exports from the Westmann Islands (Iceland) during 1911 included 2,573 barrels cod-liver oil.

# Contracts.

The following tenders have been accepted:

Alresford Guardians.—Mr. H. G. Dutton, chemist, Southampton, for drugs, etc.

Atherstone Guardians.—Parkinson & Son, chemists, Atherstone, for drugs.

Belper Guardians.—J. Calvert & Son, chemists, Belper, for drugs.

Blandford Guardians.—Boots, Ltd., for drugs, etc.

Bolton Guardians.—Waller & Riley, Ltd., Bolton, absorbent wool and unmedicated tow; Joseph Taylor & Co., Ltd., Bolton, for drugs, etc.; Wareing Bros. and Wm. Priestley & Co., Bolton, for disinfectants, etc.

Boston Guardians.—Mr. T. B. J. Booker, chemist, Boston, for quinine, at 1*s.* 4*d.* per oz.; Mr. W. Weightman, Boston, for Jeyes' sanitary powder, at 30*s.* per cwt.

Brecon Guardians.—Mr. F. L. Stanton, chemist, Brecon, for drugs.

Brentford Guardians.—Middleton Bros., for disinfectants, at 102*l.* 7*s.* 4*d.*

Bury St. Edmunds.—Mr. W. E. Youngman, for drugs.

Chester Guardians.—The tender of Cheers & Horsley (whose figure was 24*l.* 12*s.* 8*d.*, against Mr. Huke's 21*l.* 18*s.* 4*d.*) for the half-yearly supply of drugs has been accepted.

Coventry Guardians.—H. Welton & Son, Coventry, appointed retail chemists for six months.

Darlington Guardians.—Parkin, Ness & Co., Darlington, for disinfectants.

Droxford Guardians.—W. Bates & Co., Southampton, for drugs.

East Grinstead Guardians.—W. H. Dixon & Sons, chemists, East Grinstead, for hospital requisites.

Eastry Guardians.—Mr. A. E. Woodruff, chemist, Eastry, chemists' sundries.

Faversham Guardians.—Mr. J. T. T. Rolfe, Faversham, appointed chemist for six months.

Faversham Rural District Council.—Stedman & Colville, Greenstreet, appointed chemists to the Isolation Hospital for six months.

Gloucester Guardians.—Mr. W. T. Slatter, chemist, Gloucester, for drugs and druggists' sundries.

Hemsworth Guardians.—Mr. G. Hodgson, chemist, Hemsworth, for the supply of drugs.

Isle of Thanet Guardians.—Mr. D. T. Evans, chemist, Margate, for disinfectant fluid, at 3*s.* 6*d.* per gal., and for drugs for outdoor poor, Margate district, at 16*l.* 2*s.* 11*d.*, Broadstairs district 11*l.* 17*s.*, and Birchington district 10*l.* 14*s.* 7*d.*; Mr. J. H. Skitt, chemist, Ramsgate, drugs for outdoor poor, Ramsgate district, at 27*l.* 2*s.* 10*d.*; Mr. A. H. Siminson, chemist, St. Lawrence, for drugs for the outdoor poor, St. Lawrence district, at 18*l.* 10*s.* 5*d.*

Lambeth Guardians.—Corbyn, Stacey & Co., Ltd., for drugs; S. Maw, Son & Sons, for druggists' sundries.

Ludlow Guardians.—G. Woodhouse & Son, chemists, Ludlow, for six months' supplies: Bovril, at 4*s.* 9½*d.* per lb.; cod-liver oil, 5½*d.* lb.; emulsion, 5½*d.* lb.; quinine, 9*d.* oz.; crushed linseed, 2*s.* 6*d.* 12 lb.; and carbolic soap, 1*l.* 0*s.* 6*d.* per cwt.

Orsett Guardians.—Mr. J. C. Mitchell, Ph.C., Grays, for drugs.

Peterborough Guardians.—Mr. H. E. Noble, chemist, Peterborough, for the drug supply.

Reigate Guardians.—Mr. John Markham, chemist, Reigate, for drugs, etc.

Romsey Guardians.—Mr. F. Oram, Ph.C., Romsey, for drugs and surgical dressings.

Sculcoates (Hull) Guardians.—Mr. H. Leggott, 236 Beverley Road, Hull, for the supply of drugs and aërated waters for six months; and W. Cusson, Ltd., 18 Beverley Road, Hull, for drysaltery.

Semington Guardians.—Mr. J. H. Aplin, chemist, Trowbridge, for chemicals.

Stoke-on-Trent Guardians.—Mr. T. C. Cornwell, chemist, Hanley, for drugs, at 25 per cent. off Evans' list-prices.

Stourbridge Guardians.—Mr. S. Smith, chemist, Wordsley, for castor oil, at 3*s.* gal.; Epsom salts, 1*d.* lb.; bruised meal, 17*s.* cwt.; lint, 1*s.* 3*d.* lb.; boracic lint, 1*s.* 2*d.*; Gamgee tissue, 1*s.* 2*d.*; guttapercha tissue, 6*s.*; vaseline, 7*d.*; starch-powder, 4*d.*; zinc-powder, 8*d.*; boracic-powder, 6*d.*; single trusses, 1*s.* 6*d.*; double trusses, 1*s.* 9*d.*; methylated spirit, 2*s.* 6*d.* gal.

Weymouth Guardians.—Mr. B. G. Gregory, chemist, Weymouth, for hospital requisites.

Wirral Guardians.—Mr. E. H. Williams, chemist, Bebington, for the half-yearly supply of drugs, etc.

Wrexham Guardians.—Francis & Co., chemists, Wrexham, for the supply of drugs, at 51*l.* 10*s.* 8*d.*

# TRADE REPORT.

**The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.**

## 42 Cannon Street, London, E.C., October 3.

BUSINESS shows some improvement, with the bulk of price-changes favouring sellers. Heavy chemicals continue active, both on home and export account; but the higher prices asked for several important products for next year prevent the fulfilment of contracts. Acetone is very firm, on the rumours of war in the East; arsenic is again higher, especially for forward delivery. Ammonia salts continue strong, with the exception of sulphate, which is easier. Citrate, tartaric acid, and cream of tartar present no change. The long anticipated advance in santonin by 4*s.* 3*d.* took place this week. Morphine has been marked down 3*d.* in makers' prices current. Opium is a "nervy" market, being dominated by the political situation in the Balkan States, and buyers are holding off. So far no effect has been shown on prices of Turkish produce as a result of the alarming reports as to expected hostilities. Quicksilver is weak, with lower prices quoted by second-hands. Ergot is very firm, with a scarcity of offers from primary markets. Vanilla was 1*s.* to 2*s.* cheaper at auction, and cloves have advanced sharply. In essential oils, clove has advanced 2*d.*, and sandalwood is about 6*d.* higher. Lemon and bergamot are unaltered, with orange a trifle easier. Eucalyptus remains firm, and there is little prospect of cheaper prices this winter as regards B.P. oils. Star-anise oil has further advanced on spot owing to temporary scarcity. The principal changes are as under:

| Higher | Firmer | Easier | Lower |
|---|---|---|---|
| Aloes (Cape) | Arsenic | Ammonia sulphate | Castor oil |
| Anise oil (star) | Kola | Camphor (slabs) | Ginger (Japan) |
| Antimony | Lemon oil (new crop) | Coca-leaves | Quicksilver (seconds) |
| Clove oil | Peppermint oil (Jap.) | Glucose | Vanilla |
| Cloves | Wax, Bees (Jam.) | Morphine | |
| Cocoa butter | Wood oil | Orange oil (Sicil.) | |
| Croton seed | | Senna (Tinn.) | |
| Ipecacuanha | | Turpentine | |
| Sandalwood oil | | | |
| Santonin | | | |

### Increased Buchu Tax.

Before commencing his sale of buchu at the London drug-auction to-day (Thursday) Mr. W. S. Phillips (Bowyer & Bartleet) read a cable that had been received by a firm of importers to the effect that the Cape Government had raised the tax on the collection of buchu on Crown lands from 1*s.* 6*d.* to 2*s.* 6*d.* per lb. It should be noted that the collection of buchu on Crown lands is confined to the months of January and February only, and the increased tax is likely to eventually affect the price of round leaves to the extent of 1*s.* per lb. As the bulk of the "oval" leaf is not collected on Crown lands, and may be gathered at any time, the price is not likely to be affected by the increased tax.

### Heavy Chemicals.

There is considerable activity at all the main centres of the heavy-chemical industry, and the market generally has a firm tone. Prompt business both for home and export is good, and in many departments a very fair forward business is also being done: in fact, buyers seem to be closing more readily this year than usual. Prices are firm, and where changes seem likely the tendency is upwards, though the advances are not in all cases sufficient to cover the present increased costs of manufacture.

Sulphate of Ammonia is quiet, with nearest figures as follows: Beckton, prompt, 25 per cent. ammonia guaranteed, 14*l.* 2*s.* 6*d.*; London terms, 13*l.* 15*s.*; Leith, 14*l.* 10*s.*, January-June, 14*l.* 13*s.* 9*d.* to 14*l.* 15*s.*; Liverpool, 14*l.* 8*s.* 9*d.*; and Hull, 14*l.* 7*s.* 6*d.*

Lead-products continue very firm at somewhat higher figures than last noted. Present nearest: Dry white lead, 27*l.*; red lead, 25*l.*; pig lead, 23*l.*; and sheets, 27*l.* 15*s.* per ton, Tyne; white acetate of lead, 26*l.* 10*s.* to 27*l.*; brown acetate of lead, 25*l.* to 25*l.* 10*s.*; nitrate, 28*l.* to 28*l.* 10*s.* per ton.

Bichromates of Potash and Soda are in fairly good demand at unaltered rates. Bichromate of potash, English and Scotch deliveries, 3½*d.* per lb., less 5 per cent., and export 3¼*d.* per lb. net, f.o.b. Glasgow. Bichromate of soda, English and Scotch deliveries, 3*d.* per lb., less 5 per cent., and export 2¾*d.* per lb. net, f.o.b. Glasgow.

Strontium-products are quietly steady. Precipitated carbonate of strontia, 90 to 95 per cent., 11*l.* to 12*l.* 10*s.* per ton, according to quantity, etc. Mineral carbonate of strontia, lump, 87 to 91 per cent., 14*l.*; and smalls, 80 to 85 per cent., 12*l.* Hydrate of strontia, 9*l.* to 9*l.* 15*s.* per ton, in casks.

Zinc Salts are in good average request and steady. Zinc-sulphate crystals, 7*l.* 5*s.* to 7*l.* 10*s.*; and zinc chloride, 100° Tw. solution, 6*l.* 5*s.* to 6*l.* 10*s.* per ton.

Magnesium Salts are moving well, and prices are well maintained. Sulphate, 62*s.* 6*d.* to 70*s.* per ton: chloride, 67*s.* 6*d.* to 72*s.* 6*d.* per ton; and carbonate, 30*s.* to 35*s.* per cwt.

### Manchester Chemical-market.

*October 1.*

In the export department there is considerable activity in heavy chemicals, but on home account in this district Lancashire holidays continue to exercise a rather adverse effect, though prices show little or no change on the week. There is no news to hand as to the expected revision in prices of bleaching-powder and caustic soda, though it may be received any day now. It is stated that bleaching-powder is unchanged for this year's delivery at 4*l.* 7*s.* 6*d.* per ton, but this can scarcely be accepted as authentic, in view of the increase in fuel prices which has come into vogue in Lancashire during the past week. Sulphate of copper is quoted higher at about 25*l.* 12*s.* 6*d.* to 25*l.* 15*s.* per ton, prompt, best brands, delivered Manchester; for delivery this year 2*s.* 6*d.* to 7*s.* 6*d.* per ton more is asked, while for delivery up to the end of April next year the figure is 10*s.* to 12*s.* per ton more. Borax in request; 17*l.* per ton for lump. Yellow prussiate of potash continues to sell freely, and sal ammoniac is in good inquiry, first-quality lump being quoted 44*l.*, second-quality lump, 42*l.*, and ground 44*l.* to 46*l.* per ton. Alum and sulphur steady at full rates. White powdered arsenic still brings high prices. Coal-tar products show little change. Sulphate of ammonia is quoted 14*l.* 5*s.* to 14*l.* 7*s.* 6*d.* per ton, f.o.r. Manchester.

### London Markets.

Acetone.—The demand is chiefly for forward delivery, and should war break out between Turkey and the Balkan States, prices are likely to advance further.

Anise Oil (Star).—The temporary scarcity on spot has led to a further advance, up to 6*s.* 8*d.* having been paid for "Red Ship" brand.

Arsenic is a very firm market on spot at 23*s.* for barrels and 24*s.* for kegs. The forward position is much dearer, and a fair business has been done for delivery next year.

Balsam Canada in cases is offered at 2*s.* 8*d.* per lb. net on spot.

Bichromates.—The London agents for the Glasgow makers announce that they are able to book contracts for delivery for the whole of next year at the following prices: Bichromate of potash, crystal or granulated, 3½*d.* per lb.; bichromate of soda, crystal, granular, or cake, at 3*d.* per lb., usual conditions, ex wharf London or delivered to station.

Camphor Oil.—White essential is quoted 47*s.* 6*d.* to 50*s.* per cwt. on spot.

Cantharidin has advanced in consonance with Spanish fly, makers quoting 75*s.* per oz., as against 60*s.*

Castor Oil is lower, English make offering at 31*l.* per ton for pharmaceutical quality, first pressing at 28*l.* 10*s.*, prompt to December delivery at 30*l.*, and January to June,

1913, at 29*l.* per ton, in barrels, delivered free on wharf, London. Oil in cases is 50*s.* per ton extra. Belgian is unchanged, first pressing offering at 29*l.* 10*s.* per ton for prompt and forward delivery. In Liverpool the quotation for good seconds Calcutta is 3¾*d.* and 3½*d.* for first pressing Belgian.

Clove Oil.—The English distillers have advanced their prices by 2*d.* per lb. to 4*s.* 11*d.*, 12 W. qts. being quoted 4*s.* 9*d.*

Cocoa-butter.—At the Amsterdam auction on Tuesday, Van Houten's A quality realised 80.12c., against 77.80c. at the previous sale, and for B quality 72.50c. was paid, against 71.11c. at last sale.

Codeine is firm and unchanged, makers offering the pure crystals at 15*s.* 6*d.* to 15*s.* 11*d.* and the hydrochloride and sulphate at 14*s.* 1*d.* to 14*s.* 6*d.* per oz. net, according to quantity.

Cod-liver Oil.—Our Bergen correspondent writes on September 30 that the market is quiet, with several sellers of finest non-congealing oil at 70*s.* per barrel c.i.f. terms. In London, market is quiet, with agents quoting from 70*s.* to 72*s.* c.i.f.

Copper Sulphate is firm at from 25*l.* 7*s.* 6*d.* to 25*l.* 10*s.* for ordinary brands, and 26*l.* 5*s.* for March-April delivery.

Ergot remains firm, several dealers complaining of the paucity of offers. Russian is quoted about 3*s.* 8*d.* to 3*s.* 9*d.* c.i.f.; old-crop Spanish has been selling at 5*s.* 6*d.*, and new at 5*s.* 9*d.* per lb., c.i.f. Four bags of wormy Spanish were held at 5*s.* 9*d.* in the drug-auction.

Eucalyptus Oil.—Privately 70 to 75 per cent. eucalyptol is quoted for October delivery at 1*s.* 5*d.* per lb., but one leading importer is holding for 1*s.* 8*d.*, there being little prospect of cheaper prices this winter. A single case of Citriodora was limited at 5*s.* per lb. in the drug-auction.

Glycerin.—Refiners report the market as quite firm for chemically pure, the official rate for 5-ton lots naked being 91*l.* per ton in tins and cases, and 87*l.* in drums. In further reference to the extract published in the *C. & D.* last week from the report of the British Consul at Marseilles, the prices quoted for the various descriptions of glycerin should read "per 100 kilos.," and not "per ton," as given by the British Consul.

Guinea-grains.—These are cheaper than last quoted, fair offering at 55*s.* to 57*s.* 6*d.* per cwt. on the spot.

Hydrastis.—Spot prices vary from 18*s.* 6*d.* to 19*s.* per lb. net, according to quantity.

Lemon Oil.—Prices quoted from Sicily this week are practically unaltered, new-crop oil for November shipment offering at 8*s.* 2*d.*, January-March at 7*s.* 9*d.*, and March-April at 7*s.* per lb. c.i.f.; other quotations are from 7*s.* 4*d.* to 7*s.* 6½*d.* c.i.f.; on the spot, the finest brands are quoted 8*s.* 3*d.* to 8*s.* 6*d.*

A Palermo advice dated September 21 states that business was again active for spot oil, orders coming in from some of the leading consumers, both for immediate shipment and for delivery during the coming months. Full prices had to be paid, as the available supply is being concentrated more and more. Market remains firm with a favourable tendency, as it seems that all the requirements abroad from now until the beginning of the new crop have not yet been covered. For new crop also business was again very brisk, and not only local operators, but foreign buyers have sent in large orders. The feeling among growers being already so strong, this renewed activity could not but influence prices further. For shipment last crop is quoted 8*s.* and new crop 7*s.* 3*d.* per lb. c.i.f. London.

A further Palermo advice, dated September 28, reports continued brisk business for both prompt and new-crop oil, the buying being equally distributed between local and foreign consumers. With this insistent demand sellers have obtained a slight advance on the figures ruling during the present week for both prompt and new crop. The fluctuations, however, have been slight. For shipment the last crop is quoted 8*s.* 2*d.* and new crop 7*s.* 4¼*d.* per lb.

Menthol.—Sellers of case lots quote 28*s.* 6*d.* spot for Kobayashi-Suzuki, and for January-March shipment business has been done in an outside brand at 19*s.* 3*d.* c.i.f., but since 19*s.* 6*d.* is asked. In combination with oil, sellers of Kobayashi-Suzuki quote 28*s.* for October-November, and 25*s.* 6*d.* c.i.f. for December-January shipment.

Morphine.—The September list prices of makers show a reduction of 3*d.* per oz., the quotation for hydrochloride powder being 10*s.* 3*d.*, and a round quantity 10*s.* per oz.

Oils (Fixed).—*Linseed* is slightly easier on the spot at 33*s.* 6*d.* in pipes and 34*s.* in barrels. *Rape* is steady at 31*s.* 9*d.* for ordinary brown crude, and 33*s.* 3*d.* for English refined in casks. *Coconut* is also steady at 41*s.* for Ceylon and 46*s.* for Cochin on the spot. *Cottonseed* is quiet at from 25*s.* 9*d.* to 26*s.* for crude, 27*s.* 3*d.* for ordinary pale refined, and 30*s.* for sweet refined. Lagos *Palm* oil in Liverpool closes at 34*s.* 3*d.* *Soya* in barrels on the spot is quoted at 29*s.* 6*d.*, and for China *Wood* oil 34*s.* is quoted on the spot, and 34*s.* 9*d.* for September-October shipment. Russian *Petroleum* is quoted at from 7½*d.* to 7¾*d.*; ordinary refined American at 8*d.* and water-white at 9*d.* per gal. *Turpentine* shows a decline of almost 1*s.* per cwt. from last week, American on the spot closing at 30*s.* 4½*d.*, and October-December at 30*s.* 9*d.* per cwt. *Colza* is steady at 36*s.* per cwt. ex-store in barrels Liverpool.

Opium.—The primary markets are dominated by the precarious political situation in the East, and the tone is described as "nervy," buyers not being anxious to enter into any contract business. Usual Turkey druggists' 11¼ per cent. is offered at 19*s.* per lb. c.i.f., which is rather easier than our last quotation, and on the spot 21*s.* to 21*s.* 6*d.* is quoted for this test; soft shipping is quoted 22*s.* to 25*s.*, according to quality.

Our Smyrna correspondent writes on September 20 that the market has again been active this week, the sales amounting to 45 cases, of which five are for account of local and Interior speculators and the balance for England and U.S.A. We quote: Old selected extra Karahissar 22*s.*, new ditto 21*s.*, and current talequale, as to quality, 17*s.* to 20*s.* Large holders refused to sell at above figures, firmly maintaining the late higher bases. The arrivals in Smyrna amount to 1,465 cases, against 690 at same date last year.

A Constantinople correspondent writes on September 27 that the sales for the week are 64 cases druggists' quality, of which eight are for speculators, at 270 to 300 ptrs., and 40 cases "soft" and Malatias at 300 to 345 ptrs. per oke, according to quality; market is firm. Among the above about 50 cases were for account of the Japanese Government, which has started buying at Constantinople. We do not know exactly how much will be bought, but buying may again be resumed next week. Lack of rain in the Interior, which is retarding the autumn sowings, brought speculators into the market.

Orange Oil.—Sicilian oil is neglected, and prices for shipment are rather easier. For new crop business has been done at slightly less than previous figures. *Sweet* of the last crop is quoted 8*s.* 2½*d.*, new crop 7*s.* 4¾*d.*, and *bitter* of the last crop 8*s.* 2½*d.* per lb. c.i.f. London.

An advice from Palermo dated September 28 reports business at unaltered rates for both spot and new crop. Sweet of the last crop is quoted 8*s.* 2½*d.* and new crop 7*s.* 5*d.*, while bitter is 8*s.* 2½*d.* per lb. c.i.f. London for the last crop.

Otto of Rose.—A considerable quantity of adulterated otto is to be found on the market, such being offered at from 45*s.* upward, according to percentage of adulteration, but for the finest brands the values are from about 70*s.* up to 90*s.* 6*d.* per English oz. Two well-known shippers are offering at from 60*s.* to 64*s.* per English oz. Buying is of quite a retail description.

A telegram has been received to-day (Thursday) by Messrs. Chas. Zimmermann & Co. from their principals, Messrs. Petko Iv. Orozoff et fils, stating that a general mobilisation has been declared, and that war is imminent with Turkey; no one is allowed to leave Bulgaria. [We may add that two prominent otto of rose distillers are now in England.—Editor.]

Peppermint Oil.—American H.G.H. is quoted 15*s.* 3*d.* London terms; Wayne County is quiet at last week's prices, several agents being still without offers. Japanese is firmer, with spot sales of dementholised Kobayashi at 6*s.* 2*d.*, and Suzuki at 6*s.* to 6*s.* 1*d.* For arrival, Kobayashi for October-November shipment is quoted at 5*s.* 9*d.* per lb. c.i.f.

Quicksilver is weak, second-hands having declined to 7*l.* 17*s.* 6*d.*—a reduction of 2*s.* 6*d.*—while first-hands quote 8*l.* 5*s.*

Quillaia is quiet at 25*l.* 10*s.* per ton *ex* store, Liverpool.

Quinine.—This market has been waiting the result of the heavy Amsterdam bark sale to-day (Thursday), the quotation for German brands of sulphate from second-hands being 8½*d.* per oz.; some business was recently done in Amsterdam brand at 8¼*d.* per oz

At the Amsterdam auction held on September 27, 1,417½ kilos. (50,000 oz.) Ed. II. were offered and sold at fl.13.50 per kilo., against fl.13.50 at the previous auction. The next auction will be held on October 18, when a similar quantity will be offered.

The landings in London during September amounted to 114,992 oz. and the deliveries to 50,128 oz., leaving the stock on September 30 at 4,040,368 oz., against 3,425,792 oz. in 1911.

Sandalwood Oil.—Prices have been gradually creeping up for some time, and those for the finest English-drawn from Mysore sandalwood are from 12*s.* 3*d.* to 12*s.* 9*d.* per lb., according to the quantity, which is an advance of about 6*d.*

Santonin.—The anticipated advance on the part of the Monopoly, which was talked about early in September, has now taken place, the official rates being as follows: Small lots, 102*s.* 9*d.*; 28-lb., 100*s.* 6*d.*; 56-lb., 98*s.* 3*d.*; 1-cwt., 96*s.*; and 2-cwt. lots, 93*s.* 3*d.* The advance is 4*s.* 3*d.* per lb. on the basis price.

Senega is steady at 2*s.* 7*d.* per lb. c.i.f. terms, and at 2*s.* 8*d.* to 2*s.* 9*d.* spot.

Shellac.—At auction on Tuesday 256 cases of Orange were offered and sold, mostly without reserve, at firm prices, including fine lemony strong free at 87*s.*, fine seconds slightly matted at 79*s.*, flat worked at 75*s.*, matted to blocky, 69*s.* to 71*s.*; TN fair blocky, 65*s.* to 66*s.*, hard dark block at 62*s.* to 64*s.* Of button 9 cases sold at from 81*s.* to 84*s.* for fine pale stamped. Privately more demand is reported at firm rates, TN Orange selling on a basis of 68*s.* to 69*s.* for fair, and Ruby Garnet at 50*s.* 6*d.* to 52*s.* 6*d.* For arrival TN for November-December shipment is quoted at 68*s.* 6*d.*, and AC Garnet at 63*s.* 6*d.* c.i.f. Futures are steady, the sales including October delivery at 68*s.* to 67*s.* 6*d.*, December at 68*s.* 6*d.* to 69*s.*, and March 71*s.* to 71*s.* 6*d.* to 71*s.*

Soda Nitrate is firm at 12*s.* 3*d.* per cwt. for refined, and 11*s.* 6*d.* for agricultural quality in London; Liverpool quotes 11*s.* 6*d.* and 11*s.* 9*d.* respectively.

Soy.—Prices vary from 1*s.* 3½*d.* to 1*s.* 4½*d.* per gal., duty paid, the latter being for "Wochan" brand, at which business has been done. Arrivals this week include 100 casks from Hong Kong, but with a fair demand recent shipments have mostly gone into consumption. Ten cases fair Wochan were bought in at auction at 1*s.* 5*d.*

Squill.—The *Kurland*, from Catania, has brought 144 bags; prices of this drug range from 17*s.* 6*d.* to 32*s.* 6*d.* per cwt., as to quality.

Tonka-beans.—Frosted Para are quoted on spot at 11*s.* 6*d.* in limited quantities.

Vanilla.—At auction on Wednesday the small supply of 109 tins offered, the bulk of which was poor quality, and prices declined 1*s.* to 2*s.* per lb. Of Seychelles 72 tins offered, and 48 sold, including fair to good, 3-in. to 5-in., at 13*s.* to 13*s.* 6*d.*; common, 7*s.* to 12*s.* 6*d.*; mouldy, etc., 5*s.* to 8*s.* Of Ceylon 17 tins sold, including fair to good, 7-in. to 8-in., 15*s.*; 3-in. to 7-in., 13*s.* to 14*s.* 6*d.*; common, 12*s.* 6*d.* to 13*s.*; mouldy, etc., 6*s.* to 8*s.* 6*d.*

## London Drug-auctions.

At the auctions of first- and second-hand drugs held to-day there was a very fair demand. The feature was the offering of a large quantity of senna, which sold at firm rates for the better grades and at a decline of about ¼*d.* per lb. for the common descriptions. Cape aloes being in small supply brought an advance of 2*s.* per cwt., the quality of the "firsts" being particularly fine. Buchu is firm, and a fair business has been done privately. Sumatra benzoin sold steadily, and very firm prices were paid for cardamoms, decorticated seed being dearer. Ceylon coca-leaves are cheaper, and for calumba prices continue easy for the common descriptions. Cascara sagrada sold at steady rates compared with the previous auction, and for croton-seed an irregular advance was paid. Chiretta is neglected and prices tending lower. Dragon's-blood was quiet, there being no fine reboiled on offer. Ergot is held for very firm rates. Gamboge is firm, but did not sell. Jamaica honey sold without material alteration, and for Minas ipecacuanha an advance of 9*d.* on the previous sale was paid, but as compared with private rates the market is firm. Matto grosso is practically unobtainable. Kola is firmer, the quality offered being very good. Lime-juice has, if anything, an easier tendency. Rhubarb is firm, and for grey Jamaica sarsaparilla prices were barely steady, and the same applied to Native Jamaica. Turmeric is neglected. Beeswax was 5*s.* dearer for Jamaica, which was in demand, while other descriptions, such as Madagascar, were unaltered.

| | Offered | Sold |
|---|---|---|
| Aconite | 10 | 0 |
| Agar-agar | 7 | 7 |
| Aloes— | | |
| Cape | 13 | 13 |
| Socotrine | 44 | *3 |
| Zanzibar (pkgs.) | 25 | 2 |
| Ammoniacum | 3 | 3 |
| Annatto-seed | 18 | 0 |
| Antimony— | | |
| crude ...(pkgs.) | 209 | 209 |
| Reg. ....(cks.) | 6 | 6 |
| Bael-fruit | 10 | 10 |
| Balsam Peru | 2 | 0 |
| Balsam tolu | 3 | 0 |
| Belladonna-leaves. | 2 | 0 |
| Benzoin— | | |
| Palembang | 95 | 0 |
| Siam | 7 | 2 |
| Sumatra | 164 | 44 |
| Tonkin | 1 | 1 |
| Buchu | 39 | 15 |
| Calumba | 354 | 117 |
| Camphor— | | |
| Jap. | 5 | 0 |
| Slabs ....(cs.) | 45 | 45 |
| Canella alba | 8 | 0 |
| Cannabis indica | 78 | 0 |
| Cantharides (Ch.) | 3 | 3 |
| Cardamoms & seed | 128 | 83 |
| Cascara sagrada | 463 | 463 |
| Cascarilla | 12 | 0 |
| Cashew-nuts | 43 | 0 |
| Cassia fistula | 14 | 0 |
| Chaulmoogra oil | 3 | 0 |
| Chiretta | 130 | 0 |
| Cinchona (Loxa) | 29 | 0 |
| Cinnamon oil | 8 | 0 |
| Coca-leaves | 166 | 95 |
| Cocculus indicus | 200 | 0 |
| Colocynth | 21 | 0 |
| Copaiba | 3 | 3 |
| Croton-seed | 6 | 6 |
| Cubebs | 61 | 0 |
| Cuttlefish-bone | 109 | 0 |
| Digitalis-leaves | 17 | 0 |
| Dragon's-blood | 26 | 0 |
| Elemi | 34 | 2 |
| Ergot | 4 | 0 |
| Eucalyptus oil (Cit.) | 1 | 0 |
| Gamboge | 8 | 0 |
| Guaiacum | 1 | 0 |
| Gum acacia | 118 | 1 |
| Gurjun balsam | 60 | 0 |

| Honey— | Offered | Sold |
|---|---|---|
| Cuban | 4 | 4 |
| English ...(tins) | 5 | 5 |
| Jamaica | 85 | 65 |
| St. Lucia | 75 | 34 |
| Ipecacuanha— | | |
| Cartagena | 3 | 3 |
| Minas | 10 | 10 |
| Jalap | 22 | 0 |
| Kamala | 6 | 0 |
| Kino | 17 | 0 |
| Kola | 16 | 16 |
| Laurel-leaves | 2 | 0 |
| Lime-juice | 48 | 0 |
| Lime oil | 9 | 4 |
| Musk-seed | 4 | 0 |
| Myrrh | 79 | 0 |
| Nux vomica | 66 | 0 |
| Olibanum | 67 | 0 |
| Orange-peel | 6 | 0 |
| Orris | 2 | 0 |
| Papain | 5 | 0 |
| Pareira brava | 38 | 0 |
| Puree | 8 | 0 |
| Quince-seed | 2 | 0 |
| Rhapontica | 21 | 0 |
| Rhubarb (China) | 37 | 7 |
| Rose-petals | 2 | 0 |
| Sandalwood-chips | 56 | 0 |
| Sarsaparilla— | | |
| Grey Jam. | 21 | 21 |
| Lima | 2 | 2 |
| Native Jam. | 27 | 15 |
| Scammony-resin | 1 | 0 |
| Senna and pods— | | |
| Alexandrian | 29 | 4 |
| Tinnevelly | 1326 | 1212 |
| Soy | 10 | 0 |
| Sticklac | 16 | 0 |
| Tamarinds | 82 | *1 |
| Thyme seed | 173 | 0 |
| Turmeric | 776 | 45 |
| Vermilion | 5 | 0 |
| Wax (Bees')— | | |
| Australian | 6 | 5 |
| East African | 22 | 10 |
| East Indian | 53 | 0 |
| Jamaica | 32 | 32 |
| Madagascar | 205 | 95 |
| Morocco | 10 | 8 |
| Mozambique | 20 | 20 |
| Rangoon | 2 | 2 |
| West Indian | 2 | 2 |
| Wax, Japan | 25 | 0 |

* Sold privately.

Agar-agar.—Seven bales of No. 1 Yokohama strip sold at 1*s.* 8*d.*

Aloes.—Only 14 cases Cape (Mossel Bay) offered and sold on 20 per cent. tares at 42*s.* for fine hard bright firsts, 40*s.* for good firsts, and from 38*s.* 6*d.* for drossy to slightly drossy and broken seconds, 36*s.* 6*d.* for dullish hard seconds, and 34*s.* 6*d.* for soft dullish. Two casks of very soft and liquid Zanzibar in casks sold at 40*s.* per cwt.; fair hard hepatic in skins in cases was obtainable at 60*s.*; stiff pasty Socotrine was limited at 62*s.* 6*d.*

Ammoniacum.—Three cases of good small pale loose tear slightly seedy sold at 60*s.* per cwt.

Antimony.—A parcel of 98 cases and 111 bags China crude sold without reserve at 14*l.* per ton (one lot 14*l.* 2*s.* 6*d.*), and six casks. English regulus realised 28*l.* 5*s.*, both without reserve, being cheaper as compared with the prices asked privately.

Bael-fruit.—Ten bags of fair dried sliced realised 1*d.* per lb. without reserve.

Benzoin.—Quiet, but steady, 18 cases selling at 6*l.* 5*s.* per cwt. for fair Sumatra evenly packed seconds, and

for four cases good fair almondy seconds 7*l.* 5*s.* was paid; for good seconds 8*l.* 10*s.* was wanted. Seven cases Siam offered, of which one sold at 7*l.* 5*s.* per cwt., subject, for dust in hard block. For nice clean pea and bean size of good flavour in friable block 30*l.* was the limit, and for small grains in block of similar quality 18*l.* was wanted; small sales of this parcel were afterwards made privately. A single case of unsorted Tonkin partly blocky sorts sold at 8*l.* 2*s.* 6*d.* per cwt., subject to approval.

Buchu.—A fair quantity of round and ovals had been sold privately, and in auction about nine bales were disposed of at firm rates, including good green clean round at 6*s.* 4*d.* per lb., subject to seller's approval. Fair round greenish, slightly stalky, sold at from 5*s.* 10*d.* to 6*s.* 1*d.*; bronzy round and stalky, 5*s.* 6*d.*; and yellowish stalky, 5*s.* 3*d.* Two small bags of stalky yellow ovals sold at from 1*s.* 8*d.* to 2*s.*

Calumba.—Steady. Twenty bags of fair small to bold washed pickings sold at from 14*s.* 6*d.* to 15*s.* per cwt. without reserve. Under usual conditions 46 bags of small to bold ordinary dark sorts sold at 10*s.* 9*d.*, and water-damaged at 7*s.*; 120 bags sold at 8*s.* for inferior small to bold sorts.

Camphor (Refined).—A lot of 45 cases Japanese 2½-lb. slabs sold without reserve at 1*s.* 5*d.* per lb. net, no discount. Five cases Japanese refined 1-oz. tablets were held at 1*s.* 7*d.*

Cantharides.—Three cases Chinese sold at 1*s.* 6*d.* per lb. without reserve for mostly small and dusty flies.

Cardamoms sold at full rates, the supply being small and competition good. Ceylon-Mysore, extra bold, fine silky pale, 6*s.* 1*d.*; ditto, roughish pale, 5*s.* 11*d.*; good bold pale, 5*s.* 6*d.* to 5*s.* 7*d.*; bold and medium ditto, 5*s.* 1*d.* to 5*s.* 3*d.*; small and medium pale, 4*s.* 6*d.* to 4*s.* 8*d.*; tiny fine pale, 4*s.* 9*d.* *Splits*: Bold pale, 4*s.* 7*d.* to 4*s.* 9*d.*; ordinary brownish splits and pickings, 4*s.* to 4*s.* 2*d.*; fine seed was dearer at 4*s.* 6*d.* to 4*s.* 7*d.*; fair, 3*s.* 9*d.* to 4*s.* 1*d.*; and common broken, 2*s.* 3*d.*

Cascara Sagrada was about steady as compared with the prices paid in auction a fortnight ago, 463 bags realising from 35*s.* to 36*s.* 6*d.* for fair new crop, 39*s.* for 1906 import, and 38*s.* for February 1910 import. Prices vary considerably, according to shipper, five to ten ton lots offering at 34*s.* 6*d.* per cwt. c.i.f.

Coca-leaves.—A parcel of 66 cases Ceylon sold at from 10½*d.* to 11*d.* for small to bold fair green stout, being cheaper, and at 5*d.* for common brown; a bid of 7½*d.* is to be submitted for greenish and brown mixed. Of another lot of 56 cases, 16 sold at from 3½*d.* to 5*d.* for brownish to fair green broken of Ceylon-Truxillo character.

Copaiba.—Three cases thin cloudy from the West Indies sold at from 1*s.* 8*d.* to 1*s.* 9*d.* per lb.

Croton-seed.—Five bags fair bright Ceylon sold at 80*s.* per cwt., and a single bag at 83*s.* for fair, a little dark, being dearer.

Elemi.—Two cases of fair white Manila paste sold at 53*s.*

Honey.—Jamaica sold without alteration, including good set at 31*s.*, fair brown to brownish set 25*s.* 6*d.* to 26*s.*, and ordinary dark set at 25*s.*; palish liquid, 26*s.* Four tierces of good bright liquid Cuban sold at 28*s.*, and good pale yellow setting 29*s.*; 34 cases St. Lucia sold at from 27*s.* to 28*s.* for darkish liquid to fair setting brown, and 25*s.* 6*d.* to 26*s.* per cwt. for dark liquid.

Ipecacuanha.—Minas, of which 10 bales offered, sold at an advance of about 9*d.* on the previous sale rates, but quite firm as compared with private prices paid in the interim. The advance was irregular; 9*s.* 1*d.* was paid for plump sound, also 9*s.* to 9*s.* 1*d.* for part mouldy and 9*s.* for ordinary leanish; the first bale catalogued was plump, which sold at 8*s.* 8*d.* Three bales fair Cartagena sold at from 8*s.* 7*d.* to 8*s.* 8*d.* per lb. Privately, business has been done in Matto Grosso description at 9*s.* 3*d.* to 9*s.* 6*d.*, and it was reported on Wednesday that 10*s.* had been paid; there is now practically none offered. The long-expected arrival of East Indian has now taken place per *Demodocus* from Singapore, 36 bales having been received.

Kola.—Tending firmer, 16 bags of good bright dried halves and whole Jamaica and St. Lucia halves sold at from 5½*d.* to 5¾*d.* per lb.

Lime Oil.—Four cases of Dominican hand-pressed sold at from 7*s.* 6*d.* to 7*s.* 7*d.*, and for four cases distilled 1*s.* 3*d.* was wanted.

Rhubarb.—Firm. Five cases medium round Canton, with three-quarters fair pinky fracture, sold at 2*s.* Of High-dried, two cases of medium to bold rough round, with three-quarters fair pinky fracture, sold at 1*s.* A case of small round and trimming root Shensi, with three-quarters good pinky fracture, slightly stalky, realised 3*s.* 2*d.*, and a case of Canton and Shensi pickings sold without reserve at 1*s.* 8*d.*

Sarsaparilla.—About steady, 21 bales grey Jamaica selling at from 1*s.* 11*d.* to 2*s.* per lb. for part coarse to fair fibrous. Eleven bales of Native-Jamaica also sold at steady rates, including fair to good red at 1*s.* to 1*s.* 1*d.*; ordinary to dullish red, 10*d.* to 11*d.*; ordinary grey and pale red mixed, 10½*d.*; and dingy reddish 8*d.* per lb. Two bales of fair Lima Jamaica sold at 1*s.* 10*d.* per lb.

Senna.—The large quantity of 1,326 bales Tinnevelly leaf offered, and practically all sold, with good competition, at about ¼*d.* per lb. decline on the lower grades, and firm to firmer rates for the better descriptions, which were in somewhat freer supply. Up to 5¼*d.* per lb. was paid for bold good green leaf, 3½*d.* to 4½*d.* for fair bold but specky leaves, 2½*d.* to 3¼*d.* for medium green leaf, 1¾*d.* to 2*d.* for small green, down to 1¼*d.* to 1½*d.* for common small yellowish. *Pods* partly sold at from 1¼*d.* to 1½*d.* for good pale. Two bales medium to bold clean green Tinnevelly leaf sold without reserve at 4*d.* Three bales of fair Alexandrian pods sold at 7¾*d.*, and a bale of flimsy pods at 5*d.* per lb.

Wax (Bees') was 5*s.* better for Jamaica, 32 packages selling at 7*l.* 15*s.* (one lot 7*l.* 17*s.* 6*d.*) for fair red and brown mixed and 7*l.* 5*s.* for very dark. Two cases West Indian sold at from 7*l.* for fair brown to 7*l.* 10*s.* for good pale. Madagascar was steady, 86 mats and bags selling at 7*l.* 2*s.* 6*d.* for mostly fair brown blocks and 6*l.* 10*s.* for inferior. Twenty bags Mozambique rolls, part dark, sold at 7*l.*, and 10 bags fair palish brown East African at 6*l.* 17*s.* 6*d.* Five cases Australian of fair quality sold at 8*l.* 5*s.*, and for two cases Rangoon 6*l.* 5*s.* was paid.

## Cablegrams.

New York, October 3.—Business in drugs is satisfactory; opium has been reduced by 10c. per lb., druggists' quality in original cases offering at $7.15. Peppermint oil in tins is now quoted at $2.80, but the market is unsettled. Spearmint oil has further advanced to $4.75, being 25c. dearer. Cartagena ipecac. is firm at $2.25. Guarana is steady at $2.25 per lb. New cascara sagrada is offered at 8c. per lb., but car lots are obtainable at 7c. Curaçao aloes are cheaper at 10½c., a reduction of 1c. Senega is steady at 62c., and hydrastis (golden seal) is easier at $4.50 per lb.

Amsterdam, October 3.—At the auction of cinchona held here to-day 13,368 packages, weighing about 1,173,137 kilos., were offered, the quinine content of which was about 71,617 kilos. Of the above quantity 4,827 packages sold at the average unit of 4.26c. per half-kilo., against 4.29c. The approximate quantities of quinine purchased were as follows: (1) The English and American factories, 5,963 kilos.; (2) the Brunswick factory, 1,782 kilos.; (3) the Mannheim factory, 2,943 kilos.; (4) the Amsterdam factory, 628 kilos.; (5) the Frankfort and Stuttgart factories, 1,289 kilos.; (6) the Maarssen factory, 2,095 kilos.; (7) various buyers, 10,272 kilos. The prices paid for manufacturing bark ranged from 8¼c. to 42c., and for druggists' bark from 7¼c. to 35¼c. per half kilo. Of Java coca-leaves 956 packages were offered, weighing 53,784 kilos. and containing 882 kilos. total alkaloids, the average percentage being 1.66. All were sold at from 4c. to 62½c. per half-kilo., the average unit being 28.62c., against 18.87c. in August.

# Correspondence

## Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

### Essential-oil Analysis.

*Neutral* v. *Acid Sulphite.*

*Mr. John C. Umney, F.C.S.*, writing with reference to Messrs. Hill and Cocking's letter (*C. & D.*, September 28, index folio 523), says: "In the suggestions that I have made for the unification of processes for commercial valuation of esesntial oils in the pages of 'The Perfumery and Essential-oil Record,' and more recently in a paper written in conjunction with Mr. E. J. Parry, and read before the Congress of Applied Chemistry in New York, I have endeavoured to make it clear that there was likely to be considerable difficulty in unifying the analytical processes which were desirable for Pharmacopœias and convenient for commercial purposes. I quote the following as indicating my ideas in this respect:

We do not lose sight of the fact that the essential oils of the various Pharmacopœias may be selected oils, or under certain conditions even not normal ones, and for that reason such standardisation needs consideration, as well as the standards to be fixed by such adjustment of analytical processes.—*P. R.* (November 1911, p. 249).

We wish to emphasise that our editorial suggestions were put forward rather to obtain uniformity in commercial valuation than to get analytical accuracy in its strictest chemical sense. . . . Perhaps, therefore, we should modify our original standpoint and urge uniformity in analytical valuation for commercial purposes as a more exact description of what appears to us to be an urgent need.—*P. R.* (December 1911, pp. 272-273).

The whole subject is worthy of more consideration than it has yet received, and, we venture to say, especially in connection with the difficulties that may arise from the framing of standards for Pharmacopœias and commerce based upon unified analytical methods. To the unification of methods there can be no objection, and methods for the determination of the odorous or important constituents of essential oils should be equally applicable for all purposes, although the standards to be based on them may be different. —*P. R.* (January 1912, p. 3).

"When Mr. Parry criticised the monographs drafted by Mr. Hill and myself for a new British Pharmacopœia (see *C. & D.*, September 23, 1911) we (Mr. Hill and myself) stated that we failed to see 'how a Pharmacopœia monograph for cinnamon oil affects a Mincing Lane monograph for cassia oil,' and that is rather the position that I must adhere to at the moment. It is difficult to see how the unification of analytical processes for all Pharmacopœias and for all commercial valuation can be carried out. It is, however, by the consideration of such criticisms as those offered by Messrs. Hill and Cocking that finality is likely to be reached, and I should welcome—and Mr. Parry endorses this wish—that the most careful consideration should be given to the utility and accuracy of the sulphite and bisulphite methods for valuation of aldehyde-containing oils. Reference to 'The Perfumery and Essential-oil Record' of November 1911 shows that this was one of the points of importance that I put forward as needing settlement. I trust that neither this nor any other suggestion made by Mr. Parry and myself in our paper read before the International Congress of Applied Chemistry will be taken as final. Our desire is that every point may be fully criticised, and if not endorsed, then not accepted."

### A Trip in the United States.

Sir,—Has not Mr. Smallman by his concluding sentence fallen into the pit that he has dug for our American cousins? His insularity seems to be on a par with their narrow-mindedness, but is their prejudice as marked as he would infer? All Americans I have met over here—and they are not a few—have expressed themselves as charmed with our country and the reception accorded to them; and, judging from the well-filled trunks they always take back with them, our products and manufactures seem to be much appreciated by them. The fact that English goods are not so largely advertised in the States as American products are on this side is more a question of the heavy protective tariff than any sentimental dislike of Britishers and their wares. If English goods could be landed in the U.S.A. at prices to compete with American manufactures, Mr. Smallman would have a different story to tell. With Brother Jonathan the almighty dollar looms very largely—so largely that, as your correspondent states, he is quite content to surrender his individuality in order to increase his profits; but is he not wise in so doing? We are in business for the very prosaic purpose of earning our daily bread. Increased turnover and profit combined with reliable goods are what we have to strive for. Those with a highly developed bump of originality and plenty of spare cash to invest in stock, designs, cartons, labels, etc., can possibly afford to give scope to their personality and individuality; but those not so highly endowed by nature will no doubt be content, and perhaps pleased, to borrow a leaf from the book of their American *confreres* and take advantage of such adventitious aids as Rexall and Nyal (not forgetting our own home-grown Ucal), if they will help to augment the *plus* side of the profit-and-loss account. Yours truly,

London, October 2. Cosmopolitan. (68/61.)

### The Rise of Drug-stores: Why?

"O wad some power the giftie gie us,
To see oursels as others see us!"

Sir.—Your correspondent "Felix" seems to require a mirror so that he may admire himself. We have heard of him on more than one occasion, first as Little Jack Horner in the nursery rhyme, and later on as the good young man who died. Fancy this vainglorious individual being looked up to! By whom? and why? Because he is a manager, not because he is a blackleg, and, pray, what is necessary to be manager of one of the hide-bound company shops? A mere hewer of wood and drawer of water at the most. The calling has not lost much. Invicta. (21/92.)

Sir,—Your correspondents "Felix" and "Veritas" wax wroth at my suggestion that there are better positions in pharmacy than in the stores, but as they grow older and get a wider outlook I venture to think they will be forced to the conclusion that they are wrong. In the satisfaction of getting a little more money they are liable to overlook the fact that they are slowly but surely cutting their own throats. I contend that the stores will never displace the pharmacist who thoroughly knows his work and all that pharmacy implies. The man who has the confidence of the doctor, the nurse, and the patient will always hold his own and be able to pay better salaries than the stores. After, say, ten years' service with the stores, if "Felix" should think he can leave and start in business on his own account, he will find he is lacking in the most vital business qualities. When he has to buy and pay his own accounts his confidence in himself may become shaken. When he has any momentous matter to decide he may go wrong, because the habit of leaning on other people will have become so strong that he will have lost the power to stand upright. I have had some experience of store trading, and have been a manager myself for them. They used to send me olive oil No. 1 and olive oil No. 2. These had to be sold. What matter if it were rancid? One must not bother the works; they have no time for letter-writing. The duties there were to sell as much as possible and be little trouble to headquarters. I vividly remember a circular letter to branches pointing out that in making liq. ammon. dil. the aq. dest. should be measured first, and not *vice versa*. Fancy pharmacists having to be reminded of this! Can "Felix" and "Veritas" wonder that pharmacists who own their businesses will not pay high salaries to men of that stamp? Yet "Felix" said "the cream of pharmacy" (implying pharmacists)

is going to the stores. If they are the cream, then the sooner we get separated the better.

I admit there are poor and ill-paid situations with private pharmacists, but I maintain there are and will be plenty of well-paid positions, and the men who prove their ability will not have to sell their qualification to the store. Let "Felix" and "Veritas" ask any captain of industry who has made his mark what his greatest trouble is, and I am sure the reply will be, "Getting good men." Perhaps they will say that there are plenty of good men, but this has to be proved, and I have found men are not willing to be put to the test.

An advertisement in your journal a year or so back brought me over eighty replies. It is a fact that over fifty of these opened out by asking what the hours of business were and what salary I offered. It was not that they meant to earn all they could, but to get what they could, and there is a difference between the man who wants to earn and he who merely wants to get. I don't boast of superior intelligence or foresight: I simply state what I know. I repeat: "The cream of pharmacy" is not going to the stores, and there are better-paid posts in pharmacy than in the cash-chemist trade. It may not be long before some genius invents a machine to deliver the box of pills ready wrapped in exchange for 10½*d*. Where will the man who now does this work and recommends the 9½*d*. kind be then?

Finally, what's wrong with pharmacy? My answer is, "The pharmacist." Set about making him think and look where he is going, and there is plenty and to spare for all of us. Let us not ask to be fed, but let us feed ourselves, and we shall be better pharmacists and make pharmacy better. What can we expect other than that we earn for ourselves? Why should Parliament pass a Bill to protect us? If persons such as "Felix" and "Veritas" infuse some of their energy into their daily life, they will win through and become the proud possessors of profitable pharmacies.—Yours,

Infelix. (65/46.)

## Subscribers' Symposium.

**For questions, answers, incidents, and interchange of opinions among "C. & D." readers.**

*Slippery Elm.*

*Mr. W. F. Sanders* (Budleigh Salterton), supplementing our reply to "W. M. T." (42/48), says: "I have frequently been asked for slippery-elm bark, when I have been suspicious of the purpose it was going to be used for, but have never heard of its having been efficacious for the purpose."

Slippery-elm bark powder is taken during the later period of pregnancy to ensure easy delivery. We have sold it occasionally for years for this purpose, and have reason to know that, owing to its mucilaginous character, it is very efficacious.—*W. Miles Bramley* (Handsworth).

The usefulness of slippery elm as an abortefacient lies in its mechanical action rather than medicinal value. It is usually purchased for this purpose in the form of long strips of the bark, which may be whittled down to catheter-like proportions.—*C. Brooks* (The American Drug-stores Co.).

*Another subscriber* (66/47) informs us that old women and herbalists in his district use the bark in straight pieces for insertion into the os uteri—in the manner of a sponge or tangle tent, we presume. This is, no doubt, what "W. M. T." wanted to know. Under certain conditions (see *C. & D. Diary*, p. 445) sale of the bark for the purpose is unlawful.

## Legal Queries.

**Consult "The Chemists' and Druggists' Diary," 1912, pp. 435 to 454, where most legal difficulties are anticipated, before writing about your difficulty.**

*Worried Assistants* (66/45) have not authenticated their communication in accordance with the rules of these columns.

*Chemist* (68/26).—Reference to the *C. & D. Diary*, p. 448, will show you that "Dental Surgery" is a description which any person may use.

*Corner* (58/38) asks if he is obliged to stamp his assistant's insurance card for the week during which he is away on holiday. [Yes, if he pays him.]

*J. S. N.* (64/53).—A fancy spelling of the words "Corn Death," which spelling is not registered as a trade-mark, will not, when used with a known, admitted, and approved remedy, take the remedy out of the exemption.

*J. B.* (67/9).—Provided the ointment to which you refer can be identified from the reference given on the label (as to which you must satisfy yourself), the preparation is exempt from stamp-duty as a known, admitted, and approved remedy, and you may circulate the handbill without incurring the duty.

*Energiser* (58/39).—The Poisons Schedule puts no limit upon the amount of tincture of nux vomica in preparations or admixtures coming within the Schedule. A mixture containing 5 minims of the tincture in an ounce, that being a dose, is a legal poison, and may be sold only by registered chemists on the statutory conditions as to labelling.

*Cascara* (66/30).—The housekeeper who entered your employment last week, and who was not employed previously since the National Insurance Act came into force, has her card stamped as from the date of her employment by you. The previous weeks are not regarded as "arrears," and by Section 10 (4 *c*) no account is taken of arrears during the first twelve months after the commencement of the Act.

*Sheffield* (53/25).—If no weekly half-holiday has been fixed by your local authority you are entitled under Section 4 (3) of the Shops Act to close your shop for other than exempted purposes on any half-day that you choose, and the day chosen has to be specified in a notice affixed in the shop as you correctly state, but no particular form for this notice has been prescribed by the Home Secretary in the regulations issued by him. Suitable wording for such a notice would be: "Under the Shop Acts, 1912, this shop is closed for the weekly half-holiday on Wednesdays at 1.30 P.M."

*Herbs* (Southport) (65/25).—Although you do not employ any apprentice or assistant, you must close your shop at 1.30 P.M. on one day weekly unless for the sale of medicines and medical and surgical appliances. Such a card as that which we publish in accordance with the regulations must be exhibited in your window and shop during closing hours. It is not necessary in your district, where no special closing order has been made as regards chemists, to shut your shop absolutely and to wait for customers to knock, but goods which are not exempted should be covered up as far as possible.

*H. W.* (64/72).—Two fields, belonging to the same owner, have been separated by a grass-mead for over forty years. The son of the tenant of the fields, about five years ago, without the knowledge of the landlord, ploughed up the strip of grass-land, and thus threw the two fields into one. Will the tenant, who holds under a verbal agreement, be obliged to replace the mead on the termination of his tenancy? [The tenant cannot be compelled to replace the mead, but if the ploughing up of the grass has caused a diminution in the value of, or otherwise injured, the freehold, the landlord can sue the tenant for damages. The action must be brought within six years from the perpetration of the damage. The landlord should endeavour to obtain an undertaking from the tenant to restore the mead at the end of his tenancy.]

## Miscellaneous Inquiries.

**We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published prices, usually 6d.**

**We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.**

*R. M.* (50/38).—A perfume such as citronella oil is generally considered best for disguising the odour of paraffin oil.

*Spare Time* (39/70).—Technological Subjects cannot be studied with success at home, and one evening a week would not permit the majority of lecture courses on technology in London to be followed properly. As you say, circumstances prevent you (a Minor man) from proceeding to

a degree in science or the Institute of Chemistry qualification. Entry into the chemical, soap, or sugar industries is practically only possible as a sort of superior labourer, with consequent loss of salary as compared with that of your present post. Even collegiate-trained chemists have to obtain experience in works before their services are counted as of much value, and it is with difficulty that works chemists of rule-of-thumb type maintain their position against the increasing influx of college-trained chemists, who accept the low salaries which manufacturers think fit to offer.

*Bismuth* (17/91).—White Oils.—Our correspondent uses the following formula:

| | |
|---|---|
| Ovium ... ... ... ... | v. |
| Ol. terebinth. ... ... ... | ʒxv. |
| Ac. acetic. dil. ... ... ... | Oiss. |
| Liq. plumbi fort. ... ... ... | ʒss. |
| Spt. v. meth. ... ... ... | ʒiss.—M. |

This always becomes very thick after a few weeks, he says. He has tried it with yolks only, and also omitting the lead solution, with no better result. How can it be improved? [The recipe is quite on conventional lines, and under normal conditions the product should be satisfactory; in fact, we find it so after trial, giving it nearly four weeks to "prove its quality." It is fairly thick, which is no disadvantage, as people do not like such a preparation thin, but no clotting. We are consequently induced to conclude that either "Bismuth's" method of manipulation or the materials used are not the most suitable for the purpose. Acetic acid of the strength used in the preparation does not coagulate egg-albumen, and neither the methylated spirit nor the lead solution is present in sufficient quantity to produce the condition complained of. There are two ways in which clotting may be produced. One is by the use of eggs which have been preserved in water-glass or other material in fashion; the other is by the addition of acetic acid insufficiently diluted. Acetic acid of B.P. strength (33 per cent.) coagulates the egg-albumen, and glacial acetic acid diluted to the same strength causes even more pronounced precipitation. If the too-strong acid be brought into contact with the eggs, subsequent dilution of the mixture does not repair the damage done. We have found the following method of mixing the materials for such a preparation completely satisfactory. Adapting it to the above recipe, proceed thus: Mix the eggs thoroughly with 24¼ oz. of water, then add the turpentine gradually, shaking well after each addition; after standing for a few hours add 3¾ oz. of acetic acid, 33 per cent.; lastly add the lead solution and spirit. If the eggs be a fair size, four would be quite sufficient. If we may venture to criticise the recipe, we should say that the lead solution and spirit are out of place in a combination of this sort. They could well be displaced by an ounce of oil of eucalyptus or origanum or any similar essential oil.]

*E. H. M.* (32/42).—Rendering Starched Linen Waterproof.—There are several methods of rendering starched cuffs and collars impervious to moisture, but all the processes have a resemblance. The following abstracts of various patents practically cover the methods:

Mann (700,793 U.S. patent).—The starched articles are immersed in a solution of soluble cotton 5 oz. in amyl acetate or acetone 1 gal., and then passed at one sweep through a wringing-machine with rubber rollers.

Closmann (861,435 U.S. patent).—The starched material is coated first with a liquid composed of pyroxylin 5 parts, zinc-white 1 part, amyl acetate 95 parts, and then with a plain solution of pyroxylin in amyl acetate.

Paschka and Koch (27,800/08) coat the articles with water-glass with or without the addition of barium chloride.

Freidlander and Tuebben (23,547/09) employ a mixture of celluloid 6 parts, wax 1 part, acetone 93, applied with a sponge or by dipping.

Douqué (17,449/09) adds solution of basic aluminium acetate (8° to 10° B.) to the starch, and afterwards coats the starched articles with solution (3 to 5 per cent.) of cellulose acetate and celluloid solution (2 to 3 per cent.).

Peters (870/10) uses a solution of sodium casein containing methyl aldehyde, glycerin, and a colouring-matter such as chalk or barium chloride. When this is dry solutions are employed containing trinitrocellulose or casein in solution.

Bruchner (1,799/10) makes first a 3-per-cent. solution of zinc chloride in alcohol, to which is added acetic acid and acetone to make a 1-per-cent. solution. Next a mixture of equal parts of acetic acid and acetone has placed in it some zinc metal. Then the two solutions are mixed in the proportion of 1 to 3 of No. 2 to 100 of No. 1, and 10 per cent. of collodion is added.

Zimmer (24,006/09 and 6,519, 12,406/10) uses as a ground a 15-per-cent. solution of stearic acid in alcohol, and after this is dry a nitrocellulose solution containing a little castor oil is employed. Finally the starched articles are polished with pumice-stone, French chalk, and powdered chalk. In the patent 6,519/10 the following solution is used: Camphor 5 parts, castor oil 5 parts, acetone 30 parts, alcohol 60 parts. A pigment can be added if necessary. The articles are then dried at 140° F. To make the finished goods uninflammable is the purpose of the third patent, a solution of cellulose acetate being employed.

*F. H.* (171/24).—See *C. & D.*, September 7, index folio 421, for title of book on sexual science. There is also a book entitled "What a Young Husband Ought to Know," which would perhaps suit your customer.

*Aspirin* (48/18).—Mail-order Business.—A book on this subject is Cody's "How to do Business by Letter and Advertising" (Constable, 5*s.*). You should also read an article dealing with this matter in the *C. & D.*, January 27, 1912, p. 165.

*J. C. H.* (51/6).—Bleaching Feathers on Live Poultry.—The use of ether for this purpose is for removing grease, which otherwise protects the feathers almost entirely from the influence of bleaching agents. There are no other bleaching processes available than those to which we referred in the *C. & D.*, August 24, index folio 351.

*Pyro* (57/34).—(1) Cigarette-paper Adhesive.—In the circumstances you mention you would probably find that white of egg would be the best adhesive for the paper used in making gold-tipped cigarettes. (2) Syrup of Hypophosphites.—The following formula embodies the use of iron pyrophosphate as desired:

| | |
|---|---|
| Iron pyrophosphate ... ... | gr. xv. |
| Sodium hypophosphite ... ... | gr. xlv. |
| Quinine sulphate ... ... ... | gr. v. |
| Strychnine (previously dissolved by itself) ... ... ... ... | gr. ss. |
| Manganese hypophosphite or sulphate ... ... ... ... | gr. xv. |
| Thick syrup to ... ... | ʒxvj. (by weight) |

Dissolve the solids, except the strychnine, in 1 oz. of distilled water with 2 or 3 drops of acid. sulph. dil. Instead of pure strychnine use liq. strych. hydrochlor., B.P., ʒj., add to the solution, then mix with 11 fl. oz. of syrup, which gives the required weight.

*Spearmint* (53/4).—Weather Indicator.—The gut employed in weather indicators is "sensitised" by wetting with a deliquescent salt—*e.g.*, magnesium or calcium chloride.

## Retrospect of Fifty Years Ago.

**Reprinted from "The Chemist and Druggist," October 15, 1862**

### Who was the First Modern Cutter?

September 26, 1862.

Dear Sir,—I have often wondered which was the most lowering and reprehensible—puffing or cutting. Either, according to my idea, is very bad; but when both are combined, as is frequently the case, then things indeed look queer. In this provincial town there is a member of the trade who tells us that we may have at his establishment 1*s.* 1½*d.* medicines for 1*s.*, 2*s.* 9*d.* for 2*s.* 6*d.*, and so on. Not satisfied with this, he puts to us (the public) the momentous question, on a fairly printed handbill, not Have you seen Blondin? Do you double up your perambulators? But "Have you a bottle of ——'s diarrhœa-mixture in your house?" and winds up like the circus bills, "Working people may be supplied with a single dose for 4*d.*" Now, who would have diarrhœa after this? Another case, though of a different character, may be alluded to. We hear nowadays a good deal of one trade cutting into another. Linendrapers and fancy embroidery shopkeepers selling pomade and perfumes, and various others selling things foreign to the trade proper. In little country villages this is not objected to, and chemists may even descend to paints, etc.; but in a *town*, surely a chemist ought to be above selling paper, pens, envelopes, shilling novels, etc., etc., more particularly if he boasts M.P.S.

Yours faithfully,

Doddah.

[Henry Hodder, of Bristol, was supposed to be the first cutter of patent medicines. The local advertisement of his "Patent Medicine Depôt" was reprinted in the *C. & D.*, March 15, 1869. His prices were 10*d.*, 2*s.* 4½*d.*, and 3*s.* 9*d.* There is no indication now of the town that "Doddah" referred to, but the cutting mentioned was about seven years before Mr. Hodder.—Editor, *C. & D.*]

**GUARANTEED (LIKE "CONDY'S FLUID") NOT TO CONTAIN PERMANGANATE OF POTASH (poison).**

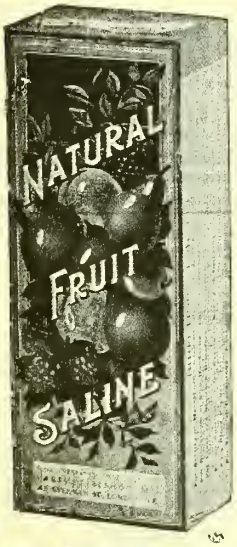
CONDY & MITCHELL, Ltd., will take Legal Proceedings against anyone supplying Permanganate of Potash Crystals as and for "Condy's Crystals."

# "Condy's Crystals"

"Condy's Crystals" are put up in bottles to Retail at 1/- each, and are stocked by all the leading Wholesale Houses.

**Proprietors: CONDY AND MITCHELL, LIMITED,**
***Condy's Fluid Works, 65 GOSWELL RD., LONDON.***

# Why Bishop's Natural Fruit Saline
**WILL BRING YOU TRADE.**




A well-known Branded Article which shows a GOOD PROFIT and REPAYS pushing.

**BISHOP'S NATURAL FRUIT SALINE**
**FULFILS THESE CONDITIONS.**

**RETAIL PRICE, 1/6 Per Bottle, P.A.T.A.**
Wholesale Price, 12/- per dozen, subject.

**An Artistic Showcard**

for Window Display and attractive Circulars for distribution are sent with each order of one dozen or upwards.

**ALFRED BISHOP, LIMITED, 48 Spelman St., London, N.E.**

# BISMOSAL

REGISTERED.

FOR DIARRHŒA.
IN 8 oz., 1 lb., AND 2 lb. BOTTLES.

## HAM-A-CONOL

REGISTERED.

THE REMEDY FOR HÆMORRHOIDS,
IN 2 oz. TUBES WITH RECTAL NOZZLES.

## LAXOLATES

REGISTERED.

THE NEW APERIENT CHOCOLATES,
IN 1/1½, 2/9, 4/6, & 11/- BOXES.

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BUCHLER & CO., BRUNSWICK, GERMANY.

## QUININE. COCAINE.

## RADIUM. ZINC SULPHIDE-SCREENS

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# HOWARDS' SODII SULPH.

REFINED. NEEDLES: GRANULAR: PEAS: SMALL: FEATHERY OR "MOCK EPSOMS."

# HOWARDS' EPSOMS.

FREE FROM ARSENIC AND CHLORIDE. DO NOT GO DAMP.

# HOWARDS' SODII BICARB.

UNRIVALLED AS THE PUREST AND MOST PALATABLE MADE

# HOWARDS' CAMPHOR.

PRESSED INTO TRANSPARENT TABLETS AND CUBES

# HOWARDS' BISMUTHS.

OF THE HIGHEST ATTAINABLE PURITY AND OF BEAUTIFUL APPEARANCE.
GUARANTEED FREE FROM LEAD.

NOT ONLY THE EXCELLENCE BUT THE UNIFORMITY OF THEIR QUALITY MAKE DISPENSING EASY AND ACCURATE.

HOWARDS & SONS, LTD. STRATFORD & ILFORD, LONDON, E.

# Were YOU caught without Pinex ?

*The Quick-Selling Cough Remedy*

# Pinex

*The Quick-Selling Cough Remedy*

## Advertising now started. Wholesalers already sending repeat orders. Are **YOU** able to meet the demand ? We guarantee the Sales. Unsold Bottles returnable at any time.

"PINEX" is a preparation compounded by a Pharmaceutical Chemist to take the place of a thousand and one home-made Cough remedies which are of little value in themselves, and of still less value to the Chemist.

Instead of coming to your counter for two pennyworth of this and another pennyworth of that, customers will now come and ask for a 2½ oz. bottle of "Pinex," which costs them 2/9, and leaves the Chemist a profit worth having.

It's better business for you, and a more satisfactory purchase for them.

They'll still make their Cough Mixture at home, using "Pinex" and simple sugar syrup; but it will be a mixture that will cure, that you can GUARANTEE will cure. And we stand behind such guarantee.

"Pinex" won't injure your trade in ordinary cough mixtures; it will create *new* trade for you and bring *new* customers to your counter. People who won't buy ordinary cough mixtures *will* buy "Pinex,"—and the Sales repeat.

"Pinex" Advertising has already commenced. Long series of insertions have been ordered in the leading newspapers of the country. The demand will be great and continuous.

Don't lose any sales; don't let *your* customers find it necessary to go elsewhere for "Pinex." Order a supply AT ONCE from your wholesaler. even if it be only ¼ dozen. You CAN'T MAKE A LOSS. We guarantee the sales. Unsold bottles returnable at any time.

We also guarantee "Pinex" to your Customers—money back IN FULL if not satisfied, WITHOUT TOUCHING THE PROFIT YOU HAVE EARNED ON THE SALE.

*TERMS:—Advertised Price 2/9 per bottle. Minimum Retail Price, 2/6 per bottle. Price to you 24/- per doz.*

# PINEX IS ON THE P.A.T.A. LIST.

## THE PINEX CO., LTD., 36/38 Upper Thames St., London, E.C.

*Telegrams: "Pinexine, Cent., London."* *Telephone: 2208 City.*

# NOW is the time to STOCK

# "OWBRIDGE'S"

## "Lung Tonic."

By doing so you will get the full benefit of the

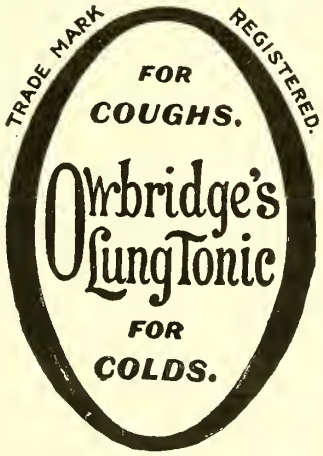
**Season's Sales.**

When placing your orders insist upon having the

**ORIGINAL.**

This gives satisfaction to both Customer and Retailer.

Every genuine packet bears the well-known




We help you to sell the article by extensive advertising, and it is also PROTECTED at a fair profit—**20 per cent.** to **25 per cent.**

If advertising matter would be appreciated, **for our mutual benefit,** and has not yet been applied for, we should be glad to receive your business card.

HOME AND EXPORT PRICES ON APPLICATION.

**W. T. OWBRIDGE, Ltd., The Laboratory, HULL.**

# :: The NEW PURE LIQUORICE Juice ::

# APOLLO

The makers of the well-known brands of Pure Block Juices "V.B." and "B.X.," who are the largest manufacturers of Liquorice in the World, beg to notify the Trade that they now manufacture a high-class **PURE STICK JUICE** which they have placed on the market under their registered brand ***"APOLLO."***

The same guarantee of absolute Purity, which for the past sixty years has been given with their Block Juices, equally applies to their new stick ***"APOLLO."***

Can be obtained of all the leading wholesale Houses.

# "SOLAZZI" LIQUORICE JUICE

## THE CHEMISTS' BRAND.

## 'The Lancet' says: 'Of Standard Purity'

Recommended also by '*The British Medical Journal*,' '*Health*,' '*The Chemist and Druggist*,' '*Food and Sanitation*.'

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

## H. E. KERSHAW, Ltd.

*131 Curtain Rd., LONDON, E.C.*

IMPORTERS OF

# SHELLAC

Of all kinds.

*Manufacturers of*

# WHITE SHELLAC

## TIDMAN'S SEA SALT.

ON P.A.T.A. LIST.

**INCREASED PROFITS TO ALL WHO KEEP IT IN STOCK.**

*Orders of Twenty Shillings in value and upwards Carriage Paid. Cases Free.*

| | Advertised Price. | Minimum Retail Price. | Minimum Wholesale Price. |
|---|---|---|---|
| 1d. Packets. | 1/- per box 12 in box | 11d. per box. | 8/6 pr. grs. |
| 2d. ,, | 2/- ,, ,, | 1/10 ,, | 16/9 ,, |
| 1d. linen Bags. | 1/- ,, ,, | 11d. ,, | 8/6 ,, |
| 2d. ,, ,, | 1/- ,, 6 in box | 11d. ,, | 16/9 ,, |
| Boxes, about 1½lbs | 4d. | 3½d. ,, | 2/10 pr. doz. |
| ,, ,, 3½ ,, | 8d. | 7d. ,, | 5/8 ,, |
| ,, ,, 7 ,, | 1/2 | 1/- ,, | 10/- ,, |
| ,, ,, 14 ,, | 2/- | 1/10 ,, | 18/3 ,, |

**SINGLE BAGS of following 3 sizes sent CARRIAGE PAID to any place in the United Kingdom, so that there is no Stock to hold.**

| | Advertised Price. | Minimum Retail Price. | Minimum Wholesale Price. |
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| 28-lb. Bags (or Boxes) | 3/- each | 3/- | 2/6 each |
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**Cash Discount, 2½% on orders of £1 and upwards.**

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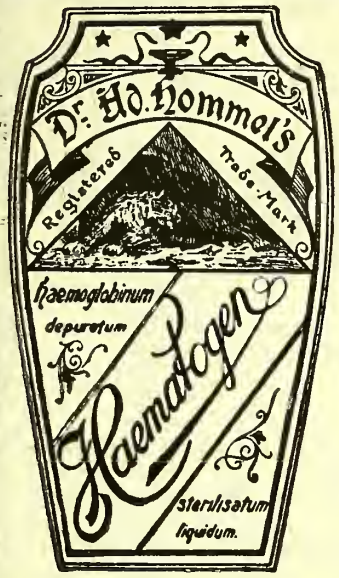
Dr. HOMMEL'S Haematogen.

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:: (The Original Hæmatogen) ::

*As recommended by the Medical Profession for the last 20 years.*

THE BEST BLOOD BUILDER, NERVE & BRAIN FOOD.

Please note that when you are asked for Dr. Hommel's Hæmatogen or Hommel's Hæmatogen **nothing else may be supplied except our well-known Hæmatogen, as we have special legal rights to the designations Dr. Hommel's and Hommel's Hæmatogen.**

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BE CAREFUL THAT YOU GET THE RIGHT ARTICLE.

**AKTIENGESELLSCHAFT HOMMEL'S HÆMATOGEN, Zurich**

*SOLE AGENTS IN THIS COUNTRY AND FOR THE COLONIES:*

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## QUICKEST SALES

# BEECHAM'S PILLS

May now be had in **£5** Lots, at Lowest Prices, Carriage Paid. Packages Free.

**ORDERS** must be accompanied by Cash. Cheques to be made payable to Thomas Beecham, and crossed "Parr's Bank, Limited, St. Helens."

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| **PRICES.**—Beecham's Pills, | 13½d. size (56 pills) .... | .... 9/6 |
| „ | 2s. 9d. „ (168 „ ) .... | .... 25/- |
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**ADVERTISING MATTER** to suit Retailers' requirements will be sent on application.

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# HONEY! HONEY!! HONEY!!!

We have secured Large Parcels of

ENGLISH HEATHER,
ENGLISH CLOVER,
CALIFORNIAN,
NEW ZEALAND,
JAMAICA,
AND
CHILIAN.

Before Buying write for Samples, Prices, and Styles of Packing to

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WE GIVE SHOWCARDS, PRICE CARDS, WINDOW POSTERS, and LOAN BEEHIVES for ATTRACTIVE WINDOW DISPLAY.

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**Popular and Attractive.**

STEADILY ADVERTISED. STEADILY IN DEMAND.

More Customers and extra profits if you stock Sargol.

4/6 size ... ... ... ... 43/- per doz.
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Beautiful showcards and booklets sent free on request. Write to-day for a supply—they will give your shop a good up-to-date appearance.

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PRIVATE FORMULÆ faithfully COMPOUNDED

AUTUMN and WINTER

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SEND A P.C. FOR NEW LIST.

*BEST DRUGS.* *SPECIAL QUOTES TO LARGE BUYERS.*

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ON P.A.T.A. LIST.

Prices and Terms on application to R. BARKER & SON,
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**DOES NOT CONTAIN any SCHEDULED POISON.**

# Efficiently Advertised !

## Courvoisier's OMAR KHAYYAM.

22/- 40/- 90/- 168/- 336/-
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per bottle RETAIL.

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14/10 28/7 55/- 103/6 198/
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1/8 3/2 6/- 11/9 22/6
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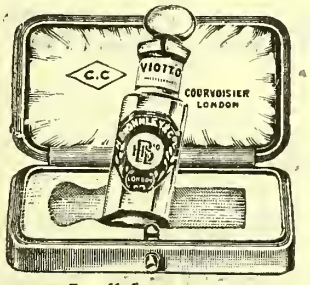
(Without Spirit.)




In all flower scents.
30/- per dozen net.
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17/8 33/- 59/6 112/6
per dozen net.
2/3 4/3 7/6 14/6
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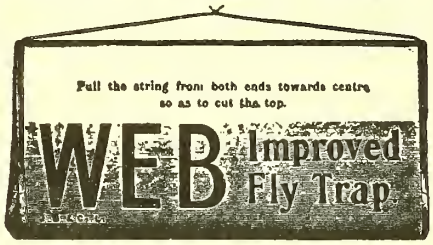
*Of your Wholesaler, or direct from*

# H. BRONNLEY & CO., LTD.,

**BRONNLEY'S CORNER, ACTON VALE, LONDON, W.**

# A CATCHING LINE!

Dimensions, closed, 4 in. by 1½ in.




Dimensions, open, about 24 in. by 4 in.

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*Samples and prices on application.*

**COCKROACHES CLEARED WITH BLATTIS, THE UNION PASTE.**
Guaranteed by E. Howarth, F.Z.S., who destroyed a plague of them at Sheffield Workhouse in 1896.
Supplied by order to the Royal Household at Sandringham.
Recommended by Dr. H. Woodward, F.R.S.; Canon Kinton Jacques, B.D.; by Mrs. Earle in "Pot Pourrie" and all Ladies' Papers, Cookery Books, &c.
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Wholesale **ALL BRITISH** Only.

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In various widths and qualities. Send for Samples, with Prices, and compare with any foreign production, to
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# ANGLO-INDIAN DRUG AND CHEMICAL CO.,

**BOMBAY (India)**

**DEPOT FOR**

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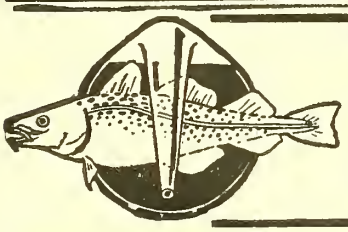
**Headquarters** for all European Pharmaceutical **Crude Drugs,** Kitchen Herbs, etc.; also **Importers of** Colonial and Exotic Drugs (Jaborandi **Leaves,** Manaca Root, Gum Chicle, etc.)

**PURE Chemicals, Dressed Drugs, Pharmaceutical and Alcoholic Preparations, Methylated Spirit, Essences for Rum, Gin, etc., etc.**

**Special for the TROPICS: ANT EXTERMINATORS.**

All Correspondence promptly and courteously attended to.



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**With CREOSOTE and GUAIACOL or PLAIN.**

SOLD BY ALL WHOLESALE HOUSES.

*Sole British Agents:* **THE AMERICAN DRUG STORES COMPANY,** C. BROOKS, M.P.S., Proprietor.
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'Phone—10960 Central. Cable—"Seebrooks London." Telegrams—"Amedrusto London."

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AGENTS:
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**COCAINE**
**MORPHINE**
**CODEINE**
**APOMORPHINE**
**COTARNINE**
**ETHYLMORPHINE**
**DIACETHYLMORPHINE**
and all other Opium-Alkaloids.

# "INGELHEIM" BRAND.

*C. H. BOEHRINGER SOHN,* **NIEDER-INGELHEIM, RHINE.**

ESTABLISHED 1772.

# HENRY'S CALCINED MAGNESIA

Continues to be prepared with scrupulous care, in the greatest chemical purity, by
Messrs. THOMAS & WILLIAM HENRY, 11, East Street, St. Peter's, Manchester,
*And is sold in Bottles, authenticated by a Government Stamp bearing their name.* Trade Mark, "Henry's Calcined Magnesia."
PRICE 4s. 6d. or 2s. 9d.

NEW YORK: Messrs. SCHIEFFELIN & CO., William Street. PARIS: Messrs. ROBERTS & CO., 3, Rue de la Paix.

A Pure Extract of Malt—

**DIAMALT**

*(REGD.)*

**Universally Prescribed by the Medical Profession.**

30% Profit to the Retailer.

**DRY DIAMALT**

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AN ENTIRELY NEW PRODUCT.

A highly diastasic Crystallised Extract of Malt of great nutritive value. The only product of this description on the Market.

AN IDEAL MALT FOOD.

**Eminently Suitable for Export.**

**THE BRITISH DIAMALT CO.,**
**13 Southwark Street, LONDON.**

*Maltings and Malt Extract Works: SAWBRIDGEWORTH.*

TRY "Electro" Specialities.

**Sulphite of Soda Crystals.**

**Hyposulphite of Soda.**

**Muriate of Ammonia.**

It is worth your while to send for Samples and Price.

TELEGRAMS: "ELECTRO." TELEPHONE No. 21.

**THE ELECTROLYTIC ALKALI CO. LTD.**
**MIDDLEWICH, CHESHIRE.**

GRAND PRIX, PARIS, 1900. GRAND PRIX LONDON, 1908,

Manufacturers of

***MORPHINE & CODEINE***

AND THEIR SALTS.

ERCOTIN.
CANTHARIDIN.
SALICIN.
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APOMORPHINE.
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GINGERINE.

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BLANDFIELD CHEMICAL WORKS,
WHEATFIELD ROAD, EDINBURGH.
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CHLOROFORM.
Absolutely PURE, and answers all Official Tests.
CHLOROFORM RECT.
From Alcohol.
JALAP RESIN.
SCAMMONY RESIN.
SCAMMONIN.
JALAPIN.
Inventors and Sole Manufacturers of the

**TELA VESICATORIA,**

or Blistering Tissue.

By far the most efficient Cantharides Vesicant in existence.

B & S Brand B & S Brand

**COCAINE BOEHRINGER**

SULPHATE OF QUININE AND ALL CINCHONA PREPARATIONS.

Acetanilid, Atropine, Caffeine, Chloral-Hydrate, Codeine, Coumarine, Eserine Guaiacol, Hydrastine, Hydroquinone, Lactophenine, Phenacetin, Pilocarpine, Pyrogallic Acid, Resorcine, Santonine, Terpin-Hydrate, Veratrine, etc.

C. F. BOEHRINGER & SOEHNE, MANNHEIM-WALDHOF (Germany).

SOLE AGENTS FOR THE UNITED KINGDOM:— Messrs. DOMEIER & CO., 8 Harp Lane, LONDON, E.C.

WRIGLEY'S SPEARMINT WRIGLEY'S SPEARMINT WRIGLEY'S SPEARMINT

# The Only Largely Advertised Chewing Gum in England is

RETAILS **2½d.** PER PACKET

RETAILS **2½d.** PER PACKET

Chemists all over England are stocking and selling **WRIGLEY'S SPEARMINT** in great quantities. **Are you?**

You will find **WRIGLEY'S SPEARMINT** Pepsin Gum a most profitable side line. In our advertising we are telling the public what **WRIGLEY'S SPEARMINT** really is; expounding its benefit to the teeth and digestion, its soothing action upon the nerves, &c. Also we are telling exactly what it is made of—which has never been done for Chewing Gum before.

**Costs You 2/3d. per Box.**

**WRIGLEY'S SPEARMINT** sells at sight.

Stocked by Butler & Crisp; Sangers; May, Roberts; John Thompson, and all wholesalers.

**WRIGLEY'S, LTD.**
**164 Piccadilly, London, W.**

**Sells Quickly at 4/2d.**

WRIGLEY'S SPEARMINT WRIGLEY'S SPEARMINT WRIGLEY'S SPEARMINT

# PRICES ISSUED WEEKLY.

**Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below.**

Acid. Acet. Glacial., 99%, Carboys, 160 lbs. @ 4½d. lb.; 12 6-lb. bots. @ 7d. lb.; 6 lbs. @ 8d. lb.
,, Acetylo-Salicyl., 56 lbs. @ 2/4 lb.; 7 lbs. @ 2/7 lb.; 1 lb. @ 2/9 lb.
,, Boric Pulv., 3 cwt. @ 29/- cwt.; 1 cwt. @ 29/6 cwt.; levigd. 3/- cwt. or ½d. lb. extra.
,, Carbol. Xtls., 39/40, 56 lbs. @ 10d. lb.; 10 lb. Tins. @ 9/- each; 36 1-lb. Bots. @ 11½d. lb.; Single Bots. @ 1/1 lb.; Detached Cryst. 10 lb. Tins @ 10/8 each; 1 lb. @ 1/4 lb.; Crude Black, 45 gall. casks @ 1/- gall.; 5 gall. drums @ 1/4 gall; 1 gall. tins @ 1/6 each.
,, Salicyl. pulv., 7 lbs. @ 1/2 lb.; phys. pure, 1 lb @ 3/1 lb.
,, Diethylbarbituric, 16 oz. @ 23/6 lb.; 1 oz. @ 1/10 oz.
Ammon. Brom., P.B., 1 cwt. @ 2/1 lb.; 7 lbs. @ 2/2¾d lb.
Ammon. Carb. lump. 3 cwt. @ 4½d. lb.; 28 lbs. @ 5¼d. lb.; 7 lbs. @ 5¾d. lb.; powder, ¼d. lb. extra.
Amyli Pulv. 10 cwt. @ 13/3 cwt.; 2½ cwt. @ 14/- cwt.; 1 cwt. @ 16/6 cwt.
*Aqua. Anethi Conc. 1–40, 1 lb. @ 2/11 lb.
* ,, Anisi Conc. 1–40, 1 lb. @ 3/1 lb.
* ,, Cinnam, Conc. 1–40, 1 lb. @ 3/4 lb.
* ,, Aurant. Trip., 53 lbs. for 17/6; 6 lbs. @ 7d. lb.
* ,, Aurant, Conc., 1–40, 1 lb. @ 6/1 lb.
* ,, Rosæ Trip., 53 lbs. for 20/-; 6 lbs. @ 7d. lb.
* ,, Rosæ Conc. 1–40 1 lb. @ 6/- lb.
* ,, Samb. Trip. 53 lbs. for 23/6; 6 lbs. @ 8d. lb.

*Ess. Pineapple, 5 lbs. @ 3/4 lb. [lb.
* ,, Raspberry 5 lbs. @ 2/2 lb.; 1 lb. @ 2/6
* ,, Vanilla Beans, 5 lb. @ 4/4 lb.; 1 lb. @ 4/7 lb.
*Ext. Belladonnæ Liq., B.P., 5 lbs. @ 4/3 lb. 1 lb. @ 4/8 lb.; solid, 7 lbs. @ 2/10 lb.
Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0½ lb.; 10 lbs. @ 1/2 lb.
*Ext Ergot Liq. P.B., 5 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.; Solid, P.B., 4 lbs. @ 27/- lb.; 1 lb. @ 28/- lb.
Ext. Gent., P.B., Solid, 1 cwt. @ 9¼d. lb.; 7 lbs. @ 10½d. lb.
*Ext. Glycyrrh. Liq. B.P., 6 lbs. @ 1/4½ lb.
*Ext. Hammamelis, Liq., P.B., 5 lbs. @ 3/5 lb.
Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 4/9 lb.; 1 lb. @ 5/1 lb.
Ext. Malti c. Ol. Jecoris, 10 lbs. @ 5½d. lb.
*Ext. Nucis Vom. Liq. P.B., 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.; solid, 5 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.
Ferri Ammon, Cit., P.B., 28 lbs. @ 1/6½ lb.; 7 lbs. @ 1/7½ lb.
Ferri et Quininæ Cit. P.B., 500 ozs. @ 4½d. oz.; 100 ozs. @ 4½d. oz.; 25 ozs. @ 4¾d. oz.
Gum Acaciæ sorts, 3 cwts. @ 44/- cwt.; 1 cwt. @ 50/- cwt.; 7 lbs. @ 7d. lb.; English Ground Powder, No. 1, 1 cwt. @ 95/- cwt.; 7 lbs. @ 1/1 lb.; No. 2, 1 cwt. @ 75/- cwt.; 7 lbs. @ 10d. lb.
Honey, Pale Set, Jamaica, 3½ cwt. @ 36/- cwt.; 28 lbs. @ 50/- cwt.; Californian ½ cwt. @ 52/6 cwt.; 7 lbs. @ 7½d. lb.
Ichthyol Ammon., 3 lbs. @ 10/9 lb.; 1 lb. @ 11/- lb.;

*Liq. Iodi Fort B.P., 5 lbs. @ 5/1 lb.
* ,, Morphinæ Acet. or Hydrochlor, P.B., 6 lbs. @ 3/- lb.
* ,, Opii Sed., 5 lbs. @ 4/2 lb.
* ,, Plumbi Subacet., P.B., 7 lbs. @ 2½d. lb.
* ,, Pruni Virg. p.s. 1–7, 5 lbs. @ 2/2 lb.
* ,, Rhœados pro syr., 1 to 7, 5 lbs. @ 1/11 lb.
* ,, Rhei p.s. 1–7, 6 lbs. @ 2/2 lb.
* ,, Santali Co., 1 lb. @ 3/- lb.
* ,, Sennæ Dulc. 6 lbs. @ 1/4 lb.
* ,, Sennæ pro Syr. 1–7, 6 lbs. @ 2/- lb.
* ,, Strychninæ, Hyd. P.B., 6 lbs. @ 1/6 lb.
* ,, Tolut pro Syr. 1–7, 6 lbs. @ 1/8 lb.

Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 10/6 oz.; 16 oz. @ 10/9 oz.; 8 oz. @ 10/11 oz.; 1 oz. @ 11/6 oz.; Pur. Præcip. Bimeconate or Tart. 1 oz. @ 14/- oz.
Naphthalene, Candles or Balls, 1 cwt. @ 12/6 cwt.; 56 lbs. @ 14/6 cwt.; 28 lbs. @ 16/- cwt.

Ol. Caryoph. Ang., B.P., 9 lbs. @ 4/9 lb.; 4½ lbs. @ 4/11 lb.
Ol. Eucalypt., B.P., 1 cwt. @ 1/5¾ lb.; 28 lbs. @ 1/6½ lb.; 9 lbs. @ 1/7½ lb.
Ol. Menth. Pip. English, 5 lbs. @ 33/6 lb.; 1 lb. @ 35/- lb.; Hotchkiss original bots., 21 oz. each @ 16/6 lb.; 6 bots. @ 16/1 lb.; 18 bots. @ 15/5 lb.; American, 20 lbs. @ 12/- lb.; 4½ lbs. @ 13/- lb. 1 lb. @ 13/6 lb. Japanese, 60 lbs. @ 6/1 lb.; 5 lbs @ 6/6 lb.
Ol. Geranii Gall. Opt., 1 lb. @ 27/- lb.; 8 1-oz. bots. @ 2/1 oz.; 1 oz. @ 2/3 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
Ol. Gynocardia, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.

**The enormous application for the last issue of our Detailed Price List has proved to us how widely our methods of business are approved. We have but a few copies left and would recommend those who are still hesitating to apply at once as the issue cannot be reprinted.**

*Aqua. Samb. Conc., 1–40, 1 lb. @ 6/1 lb.
* ,, Laurocerasi, 53 lbs. for 20/-; 6 lbs. @ 7d. lb.
* ,, Menth. Pip. Conc., 1–40, 1 lb. @ 3/- lb.
Argent. Nit., 6's to oz., 25 oz. @ 1/9¾ oz.; 1 oz. @ 1/11¾ oz.
,, ,, Cryst., 25 oz. @ 1/8 oz.; 8 oz. @ 1/9 oz.
Bismuth, P.B., Carb., 7 lbs. @ 8/10 lb.; 3 lbs. @ 9/1 lb.; 1 lb. @ 9/3 lb.; subnit. 1/- lb. less.
Camphor, English Flowers, "not artificial," 5 lbs. @ 2/- lb.; 7 lb. Tabs, ½ oz., ¼ oz., ¼ oz. @ 2/- lb.; Crude, about 92% as imported, 140 lbs. @ 1/7 lb; 28 lbs. @ 1/8 lb.
Cocaine Hydrochlor., B.P., 25 ozs. @ 6/2 oz.; 4 ozs. @ 6/7 oz.; 1 oz. @ 7/6 oz.
Cream Tartar, 98% powder, 1 cwt. @ 90/- cwt.; 7 lbs. @ 11d. lb.
*Dec Aloes Co. Conc. 1–2, 6 lbs. @ 2/9 lb. Sinecroco, 6 lbs. @ 1/2 lb.
* ,, Cinchonæ (Rubræ) Conc. 1–7, 6 lbs. @ 1/10 lb.
*Dec Senegæ Conc., 6 lbs. @ 2/3 lb.
Emulsio Ol. Morrhuæ, 10 lbs. @ 9d. lb.
Ess. Bergam (Oil), 12 lbs. @ 23/- lb.; 1 lb. @ 24/- lb.; not guaranteed absolutely pure.
Ess. Limonis (oil) original coppers, 12 lbs. @ 6/6 lb.; 6 1-lb. bots. @ 7/- lb.; not guaranteed absolutely pure.
*Ess. Moschi (not artificial), 5 lbs. @ 10/3 lb.; 1 lb. @ 11/3 lb.
*Ess. Pear (artificial), Jargonelle, 5 lbs @ 2/8 lb.; Bergamot, 3/2 lb.

*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* ,, Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* ,, Buchu Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* ,, Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
* ,, Caryoph. Conc., 1 to 7, 6 lbs. @ 11d. lb.
* ,, Cascarilla Conc., 1 to 7, 6 lbs. @ 1/2 lb.
* ,, Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.
* ,, Gentianæ Co., 1 to 7, 6 lbs. @ 1/- lb.
* ,, Quassiæ Conc., 1 to 7, 6 lbs. @ 9d. lb.
* ,, Rhei Conc., 1 to 7, 6 lbs. @ 1/5 lb.
* ,, Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* ,, Senegæ Conc., 1 to 7, 6 lbs. @ 2/2 lb.
* ,, Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.
Lin. Camph. P.B., 40 lbs. @ 10d. lb.; 9 lbs. @ 11d. lb.
Lin. Sapo Meth., 9 lbs. @ 7d. lb.
Lin. Tereb. Acet., B.P., 5 lbs. @ 1/- lb.
Linseed c. Oil, Crushed, 3 cwt. @ 23/- cwt.; 1 cwt. @ 24/- cwt.
*Liq. Ammonii Acetatis Conc. 1–7, 6 lbs. @ 8d. lb.; 1 lb. @ 10½d. lb.
* ,, Ammon. Aromat., 6 lbs. @ 9d. lb.
* ,, Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb. [1 lb. @ 7d. lb.
* ,, Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.;
* ,, Bismuth, P.B., 6 lbs. @ 1/1 lb.
* ,, Copaiba Bucha et Cubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
* ,, Easton., ps. 1–3, B.P., 1 lb. @ 3/- lb.
* ,, Ferri Dialysatus, 6 lbs. @ 7d. lb.
* ,, Ferri Iod. p.s., 1–7, 1 lb. @ 6/9 lb.
* ,, Ferri Perchlor. Fort., P.B., 7 lbs., @ 4d. lb.
* ,, Ferri Phosph. Co. p.s., 1–7, 7 lbs. @ 1/6 lb.
* ,, Hamamelidis, B.P., 6 lbs. @ 1/1 lb. [lb.
* ,, Hypophosph. Co. p.s., B.P.C., 1 lb. @ 3/4

Ol. Juniperi Bacc., B.P., 4½ lb. @ 3/6 lb.; 1 lb. @ 3/10 lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.
Ol. Lavand. ab Flor., 5 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.
Ol. Morrhuæ, Nov. 1912, finest non-freezing, 25 gall. tin-lined barrels @ 72/- per barrel; 2-gall. tins @ 4/- per gall.
Ol. Olivæ P.B., good yellow, guaranteed pure, 45 gall. Barrels @ 4/8 gall.; 2-gall. tins @ 5/3 gall.
Oxymel Scillæ, B.P, 5 cwt. @ 31/- cwt; 1 cwt. @ 34/- cwt.; *7 lbs. @ 6d. lb.
Pepsin, B.P., 10 lbs. @ 9/4 lb; 1 lb. @ 10/- lb.
Phenacetin, P.B., pulv., 1 cwt. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. @ 3/- lb.
Phenazone, P.B., 7 lbs. @ 6/11 lb.; 1 lb. @ 7/6 lb.
Phenolphthalein, 7 lbs. @ 5/6 lb.; 1 lb. @ 6/- lb.
Plumbi Acetas, Druggists', 1 cwt. @ 34/6 cwt.; 7 lbs. @ 5d. lb.; Powder, 1½d. lb. extra.
Potas. Acetas. Gran. P.B., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.
Potass. Iod. P.B., 1 cwt. @ 10/- lb.; 14 lbs. @ 10/1 lb.; 3 lbs. @ 10/2 lb.
Rad. Jalap, English Ground, 28 lbs. @ 1/10 lb.; 7 lbs. @ 1/11 lb.
Rad. Rhei, E. I., English Ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7½ lb.
Saffron, Valentia, B.P., 7 lbs. @ 46/-; 1 lb. @ 47/6 lb.; 1 oz. @ 3/2 oz.
Santoninum, P.B., 7 lbs. @ 95/- lb.; 1 lb. @ 97/- lb.
Shellac (Orange), 1½ cwt. @ 70/- cwt.; 7 lbs. @ 9d. lb.

*Minimum quantity at these prices: Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

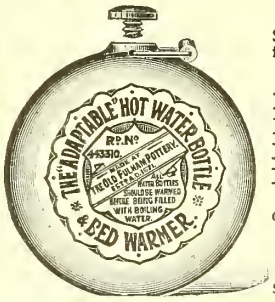
NOTE.—Only Terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.

## ALLIANCE DRUG & CHEMICAL CO., LONDON.

**Office: 34 LEADENHALL STREET.**

***KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.***

THE NEW
'ADAPTABLE' HOT WATER BOTTLE.
(Registered Design.)




Suitable for many purposes for which the old-fashioned shape is useless.

For BED-WARMERS.
For CARRIAGES.
For MOTOR CARS.
For INVALIDS, &c.

Customers can have their names, &c., printed on reverse side.

LOW PRICES. BIG DISCOUNT.

Sole Manufacturers:—
The Fulham Pottery & Cheavin Filter Co., Ltd. FULHAM LONDON, S.W.

USE BEST BOTTLES ONLY.
WILL YOU PLEASE TRY OURS.

PLEASE NOTICE. All orders given this month will be executed at following low prices—

Clear Blue Tinted, plain or graduated. Round Edges.

| 3 & 4 | 6 & 8 | 12 | 16 ounce. |
|---|---|---|---|
| 7/- | 8/- | 12/- | 14/- per gross. |

PANEL BOTTLES 1/- per gross extra.

FIRST QUALITY. Quinine Tinted. Round Edges.

| 3 & 4 | 6 & 8 | 12 | 16 ounce. |
|---|---|---|---|
| 10/- | 11/- | 18/- | 20/- per gross. |

WHITE PHIALS—GOOD QUALITY.

| ½ | 1 | 1½ | 2 ounce. | |
|---|---|---|---|---|
| 3/6 | 4/- | 4/6 | 5/6 per gross | Plain or Teaspoons |

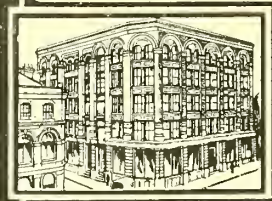
The New Shape OVAL FRONTED BOTTLES.
6 oz. size 8/6 per gross.

I. ISAACS & CO.,
106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.
Carriage paid to certain stations. Particulars on application.
Established 120 years. Bankers:—London, County & Westminster Bank.

TELEGRAMS - "NEWBERY" LONDON
TELEPHONE NOS.- HOLBORN 905 & 5274

FRANCIS NEWBERY & SONS LTD
"NEWBERYS"
DRUGGISTS' SUNDRIESMEN.
PHOTOGRAPHIC DEALERS &c.

ANNUAL CATALOGUE OF PROPRIETARY ARTICLES, SUNDRIES, ETC., FREE ON REQUEST.

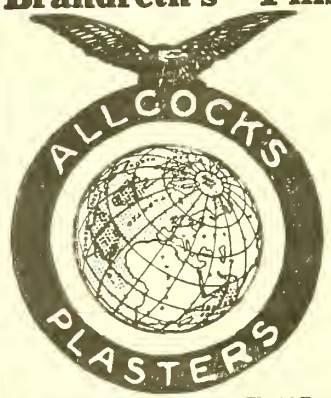


PROPRIETORS OF "ST. PAUL'S" PERFUMERY &c., "CHARTERHOUSE" PHOTOGRAPHIC CHEMICALS (TRADE MARKS REGISTERED.)

F. NEWBERY & SONS LTD 27 & 28 CHARTERHOUSE SQ. LONDON ENGLAND

The Original and only Genuine
Allcock's
POROUS PLASTERS
A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and Bunion Plasters
Brandreth's Pills
} The Three Reliables.

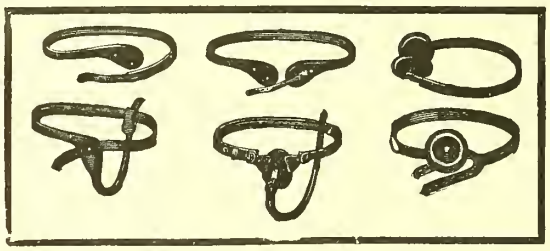



A HANDSOME SHOWCARD will be sent free of cost and post paid on application.

ALLCOCK MANUFACTURING COMPANY
22 Hamilton Sq., Birkenhead.

"Sold all round the World."

BAILEY'S



TRUSSES

WHOLESALE. ACTUAL MAKERS.
BEST QUALITY. BOTTOM PRICES.

MADE ON THE PREMISES.
Specials Despatched in 24 hours.

Illustrated Price List free.

| | | Double |
|---|---|---|
| Bailey's Circular Trusses ... ... ... | 23/- | 37/- |
| " " " 2nd quality ... | 16/9 | 31/6 |
| " Special "Marone," with Customer's Name in Gold ... ... | 26/- | 43/- |

Correspondence invited. Best Shipping Terms.

38 Oxford St., LONDON, W.

# GLASS BOTTLES

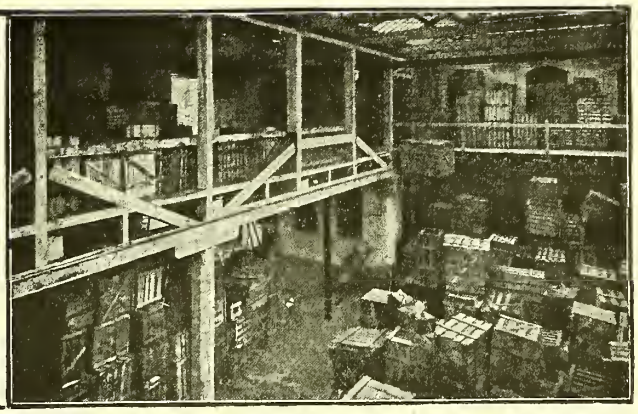
**STOCK KEPT HERE**

*Illustrated List of Goods actually in Stock at our New Warehouses sent on application to*

## Jules Lang & Son,

Charlton Works, Charlton Place,
ISLINGTON.

Telephone: NORTH 1344 & 1345 (2 Lines).
Telegrams: "ASSORTED LONDON."



# BOTTLES:

:: YORKSHIRE MAKE. ::

**DISPENSING as illustrated. Plain or Graduated**

| 1½ & 2 oz. | 3 & 4 oz. | 6 & 8 oz. | 10 oz. | 12 oz. |
|---|---|---|---|---|
| 6/9 | 7/- | 8/- | 12/- | 13/6 |

| 16 oz. | 20 oz. |
|---|---|
| 18/- | 19/6 per gross. |

**GREEN PANELLED (three sides)**
1/- per gross extra to above prices.

**GREEN PANELLED HEAVY (for Cough Mixtures)**
2½ oz. 7/6; 5 oz. 9/- per gross.

**POISON. Oval Ribbed, Pale Green (for Ammonia)**

| 3 & 4 oz. | 6 & 8 oz. | 10 oz | 12 oz. | 16 oz. | 20 oz. |
|---|---|---|---|---|---|
| 9/- | 10/- | 13/- | 14/6 | 18/6 | 21/- per gross. |

**TERMS: NET CASH 7 DAYS. CRATES 1/- EACH.**

Carriage paid up to 100 miles ex. Leeds (small extra charge beyond that distance).

## THOMAS SWALES,
24 BUTTS COURT, LEEDS.

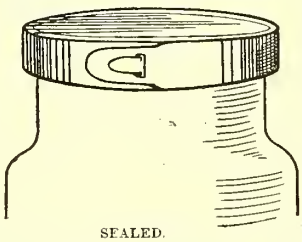
Telegraphic Address: "Advertence Ave London." Telephone: Lon. Wall 2904

# The AIRTIGHT CAPSULES CO. Ltd.

***Suppliers of PHŒNIX, AUTOMATIC, SCREW CAPS, &c.***

The ideal and only absolutely Hermetically Sealed Cap for all classes of Glass Packages as used by all Manufacturing Chemists.

PHŒNIX HERMETICAL CLOSURE.



SEALED.

The following firms, amongst others, have adopted the Phœnix system, in conjunction with the Firtree disc, with unqualified success.

FIRTREE ANTISEPTIC

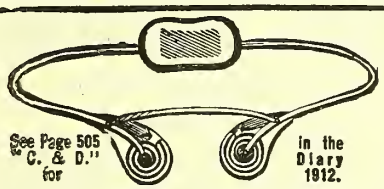
Trade Mark.

**Messrs. THE BRITISH DIA MALT CO.**
**Messrs. GOODALL, BACKHOUSE & Co.**
**Messrs. CALDERS YEAST CO., LTD.**
**Messrs. VIROL, LTD.**
**Messrs. HARKNESS, BEAUMONT & CO.**

This Firtree disc is used in conjunction with Phœnix and Screw Caps for Malt Extracts, &c., and is supplied under registered Trade Mark, and is guaranteed pure for use with Food-stuffs according to the Act.

Fullest information with quotations on application.

Offices and Showrooms } **317, 318, 319 DASHWOOD HOUSE, NEW BROAD ST., LONDON, E.C.**



See Page 505 "C. & D." for in the Diary 1912.

# THE "SPIRAL SPRING" TRUSS.

FOR ALL PARTICULARS
APPLY TO THE INVENTORS AND MAKERS,

**WILLIAM COLES & Co.** 5 SACKVILLE STREET, PICCADILLY, LONDON.

**Telephone No.: MAYFAIR 2646.**

# ELASTIC GUM SURGICAL INSTRUMENTS.

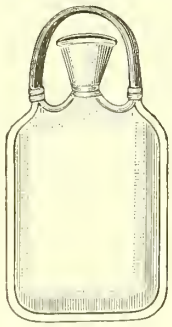
**Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Œsophageal Instruments. Horse Catheters and Cattle Probangs. Wholesale and Export only.** *Price List from the Manufacturers.*

**MASON BROS. & CHAPMAN, 107 Whitecross St., LONDON, E.C**

# REDUCED PRICES.

## INDIA RUBBER HOT WATER BAGS.

:: Guaranteed of Best English Manufacture. ::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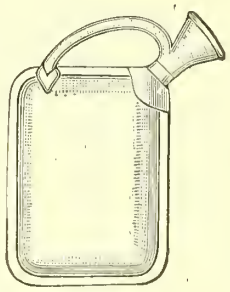
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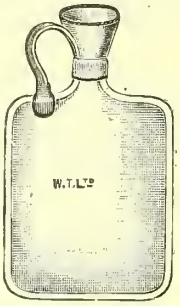

1474.

*Toogood's Special Quality, Figs. 457 or 1474—*

| 8 x 6 | 10 x 6 | 10 x 7 | 10 x 8 | 12 x 6 | 12 x 7 | 12 x 8 | 12 x 10 | 14 x 7 | 14 x 8 | 14 x 10 | 14 x 12 | 16 x 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/1 | 3/5 | 3/10 | 4/- | 3/10 | 4/4 | 4/7 | 5/3 | 5/- | 5/2 | 5/9 | 7/- | 7/- | each. |

*Warne's Extra Super Quality, Fig. 457 or Burbridge's Patent, Fig. 458—*

| 8 x 6 | 10 x 6 | 10 x 7 | 10 x 8 | 12 x 6 | 12 x 7 | 12 x 8 | 12 x 10 | 14 x 7 | 14 x 8 | 14 x 10 | 14 x 12 | 16 x 10 | 16 x 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/4 | 4/2 | 4/3 | 4/10 | 4/3 | 5/- | 5/6 | 6/1 | 5/6 | 6/1 | 7/- | 8/6 | 7/9 | 9/- | each. |

On Toogood's Special, in 1-dozen lots assorted, and upwards, an extra 5% is allowed.
On Warne's Super " " " " 2½% "

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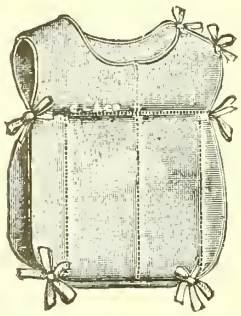
(PATENT)

Recommended for CHEST AND LUNG AFFECTIONS.



For PNEUMONIA, BRONCHITIS, AND ASTHMA.

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| Size | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
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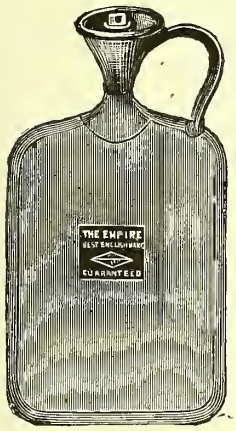


Fig. 957.—**Side Handle.**

***Guaranteed for 2 years.***

| Top or side handle — Sizes | 6×8 | 6×10 | 6×12 | 8×10 | 8×12 | 8×14 | 10×12 | 10×14 | 12×14 |
|---|---|---|---|---|---|---|---|---|---|
| **Heavy** weight ... ... each | 3 0 | 3 4 | 3 9 | 4 0 | 4 4 | 4 9 | 5 0 | 5 4 | 6 8 |
| **Light** ,, ... ... ... ,, | 2 9 | 3 0 | 3 5 | 3 6 | 3 10 | 4 6 | 4 8 | 5 0 | 6 1 |
| **Covers,** scarlet or grey plush, ,, | 0 8 | 0 8 | 0 10 | 0 10 | 0 11 | 0 11 | 0 11 | 1 0 | 1 2 |
| ,, ,, ,, felt ,, | 0 5 | 0 5 | 0 6 | 0 6 | 0 7 | 0 7 | 0 8 | 0 10 | 1 0 |

N.B.—The metal collar in both heavy and light Bottles is **vulcanized into the rubber neck,** thus making it practically one solid piece and doing away with all possibility of leakage.

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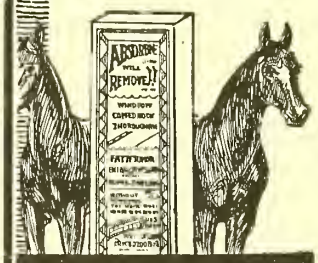


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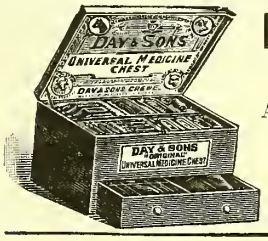


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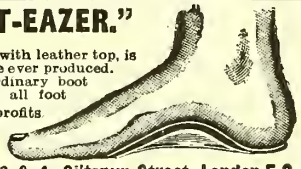

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**IT WILL COST YOU NOTHING!**

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We are enabled to make a substantial reduction in the prices charged for our Tablet preparations. From October 1st, 1912, the prices will be as follows :—

| | | Face Price. | Minimum Selling Price. | Trade Price. |
|---|---|---|---|---|
| **IODOGLIDINE** | ... per tube of 20 tablets | 2/- | 1/11 | 1/6 |
| **BROMOGLIDINE** | ... " " " 25 " | 2/- | 1/11 | 1/6 |
| **LUESAN** | ... ... " " " 25 " | 2/- | 1/11 | 1/6 |
| **ARSAN** | ... ... " " " 30 " | 2/- | 1/11 | 1/6 |
| **FERRO-GLIDINE** | The unit of Ferro-Glidine was formerly a box of 3 tubes, 3/-. The unit *now* is ONE tube, price 1/-. | 1/- | -/11 | -/9 |

THE PRICES OF OUR OTHER PREPARATIONS REMAIN UNCHANGED.

This reduction in prices is not retrospective. We shall, however, be pleased to exchange, for the equivalent in new stock, at the reduced prices, all Iodoglidine, Bromoglidine, Luesan and Arsan returned to us on or before October 12th.

A *pro rata* quantity will be sent in return; the postage on returns to us should be paid, but will be returned in goods, and we will pay carriage back.

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**PHOSPHATID TONIC SYRUP**

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Prepared by Chemical Works "VICTORIA," Berlin, S.W.

*Sole Agent for U.K.:*

**HUGO LORENZ, 7 & 8 Idol Lane, London, E.C.**

Write for Pamphlets. Tel. Nos.: Avenue 5945; Central 12641.

**VEROX FLUID BEEF.**

**ALL BEEF & ALL BRITISH.**

**HIGHEST AWARDS FOR PURITY AND STRENGTH.**

**TOOTH'S EXTRACT OF MEAT CO.**

**12 DUKE STREET, S.E.**

ESTABLISHED 1865. TELEPHONE, 7368 CENTRAL.

"BY APPOINTMENT TO H.M. THE KING.

OXO

5% Bonus if you buy NOW.

# A Special 5% Advertising Bonus

is allowed on all sizes of Oxo in bottles purchased between 11th September and 31st October, 1912.

The only condition is that you display Oxo Window bills for four consecutive weeks beginning any time between 11th September and 30th November, 1912.

This 5% Bonus, together with trade discount and Annual Rebate, lifts Oxo right above all other fluid beefs as a profit-maker.

For full particulars of Advertising Bonus, etc., apply by postcard to

Corneille David & Co., Thames House, Queen Street Place, London, E.C.

Sole Agents for Liebig's Extract of Meat Co., Ltd., Manufacturers of Oxo.

# Lofthouse & Saltmer, Ltd.

**——Wholesale and Export Drug——**
**Merchants, Manufacturing Chemists,**

**HULL,**

invite the attention of the Trade to the following well-tried preparations, which carry a big P.A.T.A. retail protected profit, and are well known and valued by the public in many parts of the country.

| | PROTECTED RETAIL PRICE. | DOZ. net. |
|---|---|---|
| **Losall's Asthma Remedy.** Very effective Remedy for Asthma, Bronchitis, &c. | 1/- | 7/6 |
| **Losall's Salt.** The popular remedy for Eczema, Gout, Rheumatism, and Billiousness. Well advertised. | 6d. | 3/6 |
| | 1/- | 7/- |
| | 1/6 | 10/6 |
| **Losall's Compound Sulphur Soap.** A valuable emollient medicated Skin Soap, especially for use in Eczema cases. | 1/- | 8/- |
| **Prepared Barley ("CROWN" BRAND).** Usual 1/- size, lever lid tins, for children and invalids. | | 4/- |
| **Malted Food.** Usual 1/- size, lever lid tins, name and address free on 3 dozen. Special design label with name and address on gross orders, if desired. | | 4/6 |

**London Agents: F. NEWBERY & SONS, Ltd.**

YOU SHOULD STOCK

# Sister Lauras Food

**The Best Food for Infants, Invalids, and the Aged.**

*This Food has a Hospital Record of fully 14 years—a record of unrivalled success.*

Makes Milk Digestible. Made in a moment, and has a quick and ready sale. Once tried, always used. Literature, Showcards, &c., direct. Liberal Window Display terms. Sample Tin on receipt of memo. Your Wholesale Agent can supply you. Retail Price, 1/- per tin. Wholesale Price, 9/6 per dozen (on P.A.T.A. List).

**SISTER LAURAS INFANT FOOD CO., Ltd.**
**156 St. Vincent Street, GLASGOW.**

**You want this Stove in YOUR Stores.**

It provides a warm and congenial atmosphere for your customers, and better facilities for your assistants to make sales.

CLARK'S Patent

**SYPHON STOVE**

generates only PURE HEAT without Smoke or Smell. It can be brought into operation at a moment's notice. There is always that inviting and cheerful glow whether for GAS or OIL, and all products of combustion are scientifically condensed within the stove which dispenses with flue outlet. Highly economical and made in new artistic designs and finishes. It is the stove for all who wish to increase the congeniality of their service. It is the stove for YOU.

Our little Booklet will interest you and will be sent FREE if you write stating whether for Gas or Oil to Dept. C.

**CLARK'S SYPHON STOVE CO., LTD.,**
**132, Queen Victoria Street, E.C.**

*The only hygienic* FLUELESS STOVE.

# THE NATURAL MINERAL WATER OF

# VICHY-CÉLESTINS

**(STATE SPRING.)**

For DISEASES of the KIDNEYS, GRAVEL, GOUT, RHEUMATISM, DIABETES, &c.

## VICHY-ETAT PASTILLES

Two or three Pastilles after each meal facilitate digestion.

**CAUTION.**—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ETAT" and the name of the SOLE AGENTS :—

**INGRAM & ROYLE, LTD.,**

Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

And at LIVERPOOL and BRISTOL.

Humphrey Taylor & Co.

*By Appointment Liqueur Distillers to H.M. The King.*

# JUNORA

## WINE OF HEALTH

This delicate, dry wine makes the most piquant and appetising of all cocktails. Blended, as it is, with choice herbs and the organic phosphates of Lecithin Ovo, it has a wonderful power of increasing both appetite and energy.

Proprietors—HUMPHREY TAYLOR & Co., Ltd. (Est. 1770), 45 New Oxford Street, London, W.C.

# VITTEL

VOSGES, FRANCE.

*Vittel Spa has many attractions for visitors.*

*Full particulars on application*

**GRANDE SOURCE.**

The TABLE WATER for Arthritis, Gout, and Kidney Troubles. . . . .

**SOURCE SALÉE.**

The TABLE WATER for Constipation, Complaints of the Liver and Stomach, Gall Stones, Glycosuria, &c. . . . .

**10,000,000 BOTTLES SOLD ANNUALLY.**

**VITTEL, 12 Mark Lane, LONDON, E.C.**

# NATURAL
# Mineral Waters

¶ We are Agents for all the leading Natural Mineral Waters, importing them regularly throughout the Season.

¶ Should you be asked for a Water with which you are not conversant, please apply to us, as we may have it in stock; or we could procure at short notice.

¶ Chemists should write for our special list of net prices. Goods delivered direct to Clients' own Customers if desired.

¶ Show-cards, Show-Bottles, Pamphlets, Dummies, &c., forwarded on application.

## INGRAM & ROYLE, Ltd.

IMPORTERS, EXPORTERS AND DEALERS IN ALL

**Natural Mineral Waters, Salts and Pastilles.**

Telegraphic Addresses:

"INGRAM-ROYLE LONDON." Telephone: Hop. 4343 (2 lines).
"SPRUDEL BRISTOL." Telephone: 1113.
"CELESTINS LIVERPOOL." Telephone: Bank 4528.

**Bangor Wharf, 45 Belvedere Road, London, S.E.**

LIVERPOOL: 19 South John Street.
BRISTOL: Bath Bridge.

No. 1.

# IDRIS Table Waters

. . IN . .

# Chinaways

## As supplied to H.M. The King.

Chemists who wish to compete for the best class trade are advised to sell "Chinaways."

Show a good profit and command a large sale.

This Syphon enables Chemists to meet all competition.

Full particulars of Agency Terms on application.

## SPARKLING PHOSPHADE.

**A Delicious Tonic**

**Food for Brain and Nerves.**

# IDRIS & CO., Ltd., K DEPARTMENT,

**CAMDEN TOWN, LONDON, N.W.**

BRANCHES : Liverpool, Southampton, Canterbury, Teddington.
DEPOTS : Bournemouth, Portsmouth, Margate, Ramsgate, Folkestone, Southend, Watford, Enfield.

Telegraphic Address: "Champagne Manchester." Telephone. 138 Pendleton.

# B. ROBINSON & Co., Ltd., PENDLETON, MANCHESTER.

Established 1855.

## ORIGINAL CONCENTRATED WATERS.

Excise Drawback on Export Orders.

**STANDARDISED TO B.P. 1898.**

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aqua Amygd. Amar. Conc. (U.S.) | 4/- | per lb. | Aqua Cassiæ Conc. ... ... | 4/- | per lb. | Aqua Menth. Virid. Conc. ... | 4/- | per lb. |
| ,, Anethi, Concent. ... ... | 4/- | ,, | ,, Flor Aurant. ... ... | 8/6 | ,, | ,, Pimentæ ,, ... | 4/- | ,, |
| ,, Anisi ,, ... ... | 4/- | ,, | ,, ,, Sambuci Conc. ... | 8/6 | ,, | ,, Pulegii ,, ... | 4/- | ,, |
| ,, Camphoræ ,, ... ... | 4/- | ,, | ,, Fœniculi Conc. ... ... | 4/- | ,, | ,, Rosemarini ,, ... | 4/- | ,, |
| ,, Carui ,, ... ... | 4/- | ,, | ,, Menth. Pip. Conc. ... | 4/- | ,, | ,, Rosæ ,, ... | 8/6 | ,, |
| ,, Cinnam. Ver. Conc. ... | 6/- | ,, | ,, ,, Ang. Conc. ... | 6/- | ,, | ,, ,, Virgin ,, ... | 10/6 | ,, |

The above may be had in ¼-lb., ½-lb., or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.
**Each Bottle has the Inventor's Protection Label over the Cork, without which none are genuine.**

## PURE ORANGE WINE

(VINUM AURANTII, B.P. 1898). Samples of any of the above, sent free on application.

## DENTAL TOOLS & MATERIALS.

*Teeth, Rubbers, Anæsthetics, Chairs, Engines, etc.*

Low Prices. First Quality. **New Catalogue Post Free.** Write for Quarterly Journal.

**C. J. PLUCKNETT & CO., Ld. 29-30 Poland St., Oxford St., London, W.**

## Prompt Sales
## Increasing Demand
## Quick Turnover

You stock "Wincarnis"—our advertising sells it for you. There is an enormous and ever-increasing demand for "Wincarnis" because it is a good article backed up by a powerful advertising campaign. Don't risk losing sales through being out of stock. Glance at your stock now.

COLEMAN & CO., Limited,
Wincarnis Works, Norwich.

# Sangers

258, EUSTON ROAD,
LONDON, N.W.

# THE PRACTICAL EYE BATH

PATENT and PROPRIETARY MEDICINES, DRUGS, DISINFECTANTS, FOODS, MINERAL WATERS, PERFUMERY, SOAPS, &c.

DRUGGISTS' SUNDRIES.

PACKED GOODS.

PHOTOGRAPHIC MATERIALS.

SHOP FITTINGS, &c.

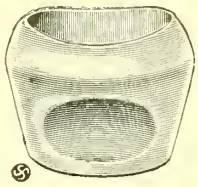


FIG. 3.
(China.)

**The only really Hygienic Eye Bath.**

**1/6 per doz.**

**1 doz. lots 1/3 PER DOZ.**

BUYING OFFICE, GOODS ENTRANCE & FACTORIES, 42A HAMPSTEAD ROAD.

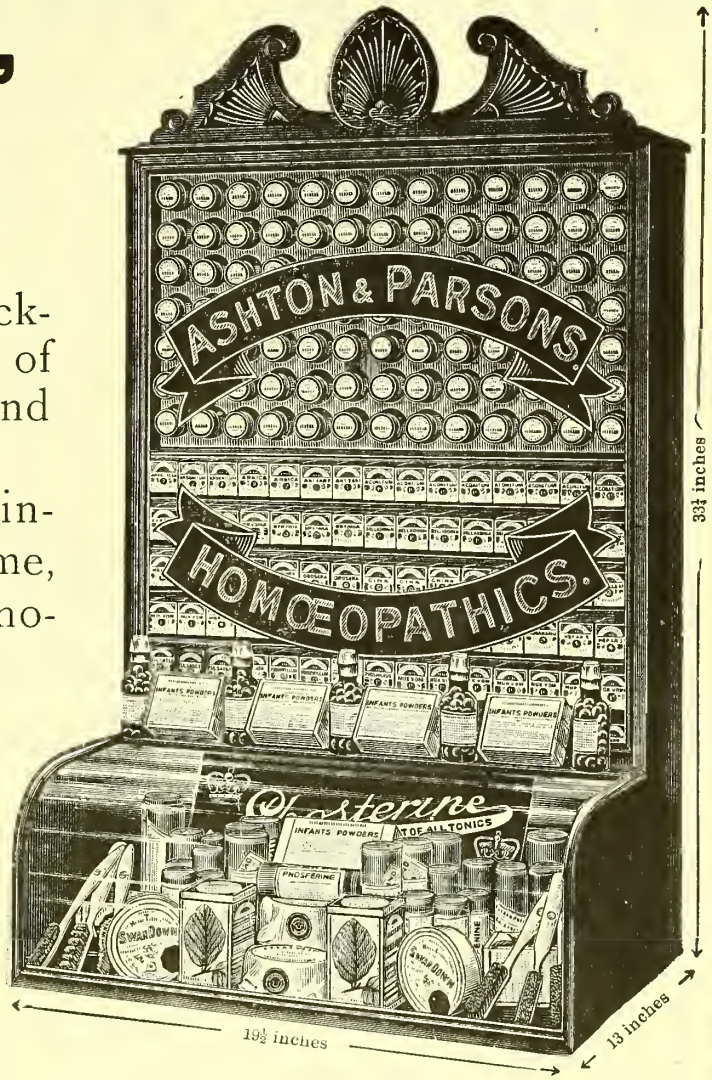
# ASHTON & PARSONS

## "UNIVERSE" SHOW CASE.

**FILLED** with a quick-selling assortment of large 1/- size Pilules and Tinctures.

Price, in London, including the handsome, beautifully-made mahogany Show Case,

## £2, 14, 4.




Compare this with the price charged by other makers, whose price is never less than £5.

We charge the actual cost price of the Show Case, plus the contents, at **1/6** per dozen, as follows:—

| | £ | s. | d. |
|---|---|---|---|
| **Cost of Show Case** ... ... ... ... ... ... ... | 1 | 12 | 0 |
| **8⅔ dozen large 1/- size Pilules at 1/6 per dozen** ... | 0 | 13 | 0 |
| **6¼ „ „ „ „ Tinctures at 1/6 per dozen** | 0 | 9 | 4 |
| | 2 | 14 | 4 |

***Abroad and in the Colonies the price is necessarily higher to cover cost of freight, import duty, etc.***

You are not burdened with a lot of high-priced unsaleable Homœopathic Specialities. The Case can be supplied empty if required at the actual cost price of **£1 : 12.**

When not stated the Case is invariably supplied to open at back. The cost of the Case to open at front would be **7s.** extra. All spaces are labelled to enable stock to be kept easily.

**Write for Illustrated List post free to all parts of the world.**

☛ **Old Homœopathic Cases of other makers exchanged free of charge for new ones.**

**ASHTON & PARSONS, LTD., La Belle Sauvage, Ludgate Hill, LONDON, E.C.**

# VALDA PASTILLES.

***UP-TO-DATE LABORATORIES AND WORKS,***
***13 Hythe Road, Willesden Junction, London, N.W.***

VALDA PASTILLES have resumed and are still daily increasing advertising during the Winter season. Our name occupies a prominent position in all the leading newspapers and journals throughout the Kingdom.

An interesting booklet dealing with our product and its claim will be also freely distributed throughout the Kingdom.

In view of the demand which such advertising is bound to create, it would be well to command a stock of our VALDA PASTILLES and run no risk of disappointing your customers.

The Public must be satisfied and your best clients know when they have a reliable product and will take no substitute.

**Appended is a list of the principal Wholesale Druggists and Sundriesmen who supply VALDA PASTILLES.**

LONDON.
Sangers
Butler & Crispe
May, Roberts & Co., Ltd.
W. Edwards & Son
Barclay & Sons, Ltd.
Newbery & Sons, Ltd.
Wilcox, Jozeau & Co.
Hovendens & Sons,
Etc.

LIVERPOOL.
Evans, Sons, Lescher & Webb, Ltd.
J. Thompson, Ltd.
Ayrton, Saunders & Co., Ltd.,
Etc.

MANCHESTER.
J. Woolley, Sons & Co., Ltd.
Oldfield, Pattinson & Co.,
Etc.

BIRMINGHAM.
Southall, Bros. & Barclay, Ltd.

LEEDS.
Hirst, Brooke & Hirst, Ltd.
Goodall, Backhouse & Co.

MIDDLESBROUGH.
W. Coltman

HULL.
Lofthouse & Saltmer, Ltd.

YORK.
Raimes & Co.
Bleasdale, Ltd.

THIRSK.
W. Foggitt & Sons

NEWCASTLE.
J. Ismay & Sons
Wilkinson & Simpson, Ltd.

BRISTOL.
Ferris & Co., Ltd.

EXETER.
Evans, Gadd & Co., Ltd.

GLASGOW.
Cockburn & Co., Ltd.
Glasgow Apothecaries' Co.
Glasgow New Apothecaries' Co.
W. & R. Hatrick & Co.
T. & H. Smith, Ltd.
F. Spite & Co., Ltd.
James Taylor

EDINBURGH.
Duncan, Flockhart & Co.
Raimes, Clark & Co., Ltd.

DUNDEE.
Davidson & Gray.

ABERDEEN.
W. Davidson, Ltd.
W. Paterson & Sons

DUBLIN.
May, Roberts & Co., Ltd.

BELFAST.
McMullan & Co.

SPECIAL TERMS FOR CASH WITH ORDER.

| | | | |
|---|---|---|---|
| 1 dozen Boxes | - | - | £0 11 6 |
| 6 dozen Boxes | - | - | 3 7 6 |
| 1 gross Boxes | - | - | 6 12 0 |

Carriage paid to any part of the United Kingdom.

## SHOWCARDS sent on application.

Several bags of Senegal Gum Siftings of 2 cwt. each to be sold at the price of 2½d. a pound, net cash, carriage paid. Sample on application. Also a few hundred bags having contained sugar, gum, and starch, to be sold—offer prices.

# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, OCTOBER 5, 1912.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."


**TO ADVERTISERS IN THIS SUPPLEMENT.**

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.** Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 552 Bank (two lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

**It pays to pay for advertising in this Supplement.**


# CHEMISTS' TRANSFERS.

## Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

**May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.**

1.—SOUTH OF LONDON.—Dispensing and Retail Business: returns last year £2,300, increasing; intending investors with £1,200 at command can have particulars.

2.—LONDON, S.E.—Good-class Retail and Dispensing Business; returns about £850, at fair profits; good residence, garden: rent £60; terms, valuation of stock and fixtures or lump sum of £560.

3.—LONDON, S.E. (Suburban).—Dispensing and Retail Business; all good-class trading; position unique; returns, present rate, £1,500; *net profit about* £450; large shop, corner position; long lease; price £1,250.

4.—LONDON (South Side of Thames).—Residential locality; Retail and Prescribing Business, held by vendor 10 years; returns £860, increasing; *net profit* £250; no serious opposition; price £450.

5. — MIDDLESEX (Suburban).—Death Vacancy. — Good-class Family and Retail trade; returns £750; *net profit* £300; roomy house; rent £45; no near opposition; price £660.

6.—LONDON, S.W. (Residential Locality).—Retail and Dispensing Business; returns between £650 and £700 per annum; *profits good, fully up to the average*; very good house, private entrance; rent moderate; price £450 to £500.

7.—CHESHIRE.—Unopposed Business; no heavy trade; returns for the past 3 years average £554, and the *net profit* £198; roomy house; rent £28 per annum; price £275.

8.—INLAND HEALTH RESORT.—Two high-class modern Pharmacies, Dispensing and Photographic; positions unique; returns about £5,000 per annum; can be sold separately; present hands 17 years; terms, valuation of stock and fixtures, goodwill to be agreed.

9.—SURREY.—Unopposed Business, held by vendor 8 years; returns average £630, which produce a *net profit* of £200; double-fronted shop; large residence; rent £47 10s.; price £560; there is a Post Office attaches which nearly pays the rent.

10.—SOUTH DEVON.—Light Retail, Dispensing, and Prescribing Business; returns for the past 3 years average £1,200, and the *profit* £350; large residence, including bathroom; excellent position; price, to include goodwill, stock and fixtures, £900.

11.—HERTS.—Unopposed Business, Country Retail; returns average £420; *net profit about* £150; comfortable residence; rent £20; lease if desired; price £170.

12.—HOME COUNTY (Market Town). — Death Vacancy.—Good middle-class Business, situate in busy shopping thoroughfare; returns about £1,200 per annum; full investigation invited; offer wanted.

13.—YORKS (Market Town).—General Retail and Family trade, held by vendor 18 years; returns increase yearly; present rate £900; rent £45, which includes a residence; terms, valuation of stock and fixtures, or lump sum of £550.

14.—VILLAGE BUSINESS (Sussex).—General Retail, Dispensing, and Prescribing; returns average about £400 per annum, and the *net profit* £150; price £250.

**Particulars of any of the above will be furnished on application.**

**N.B. NO CHARGE TO PURCHASERS.**

# VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**

# BRETT & CO.

*Licensed Valuers,*

**73 LAUREL ROAD, LEICESTER.**

**Telegrams, "Brett Leicester." Telephone 1934.**

**F. J. BRETT, M.P.S.,**

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

## STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

1.—SOUTH-WEST OF ENGLAND.—Very fine Dispensing Business for Disposal; returning £1,535; net profit £500; splendid Pharmacy, with good house attached.

2.—SOUTH DEVON (Coast). — Light Retail and Dispensing; returns £1,200; net profit £350; splendid position in main thoroughfare; £980 is the price asked.

3.—BLACKPOOL (near).—For Disposal shortly, a very select Dispensing Business; returns £1,500; net profit £500; price £1,000 to £1,200; will be for disposal during next month; solely in our hands for transfer, and early application advisable; references required.

4.—LINCS.—Returns £750; rent £25; a bargain £200.

5.—YORKS.—Three Businesses for Disposal: (1) Returns £1,500; (2) Branch one mile away, £875; (3) another Branch under unqualified, returns £330; net profit of the three £650; plenty of scope; will be sold separately or together; every investigation offered; prices very moderate; correspondence invited.

6.—LONDON, W. (Death Vacancy).—Good-class Retail; net profit £300; price £600, or near offer.

7.—MANCHESTER.—Returns £1,165; net profit £300; price £850.

8.—DURHAM COUNTY. — Capital unopposed Country Retail; returns £650; net profit £220; price £250.

9.—HERTS.—Returns £900; net profit £245; price £700.

10.—LIVERPOOL.—Returns £700; net profit about £250; price £400.

### NOTE.

We have no vacant dates whatever till November 1 for Stocktakings. Write for vacancies in November and onwards. Moderate charges.

# PARSON C. BAKER

**174 VICTORIA ST., LONDON, S.W.**

*Recommended by*—MESSRS. BARRON, HARVEYS & CO.
MESSRS. MEGGESON & CO.
MESSRS. BARCLAY & SON, LTD.

Telephone: No. 27 Victoria.

Gives personal attention to all Commissions for Sale, Purchase, or Valuation on moderate terms; quotations free.

P. C. B. has had longer and more varied experience than any other trade valuer; actively engaged over 40 years, Wholesale and Retail, town and country, Dispensing and Agricultural; credit and cash and qualified to advise on any difficulty.

Vendors invited to send particulars, in confidence.

Purchasers stating requirements can have selection from Register of Businesses of all classes, sizes, or places from £50 to £2,000.

A few recommended as good value.

| | Returns | Rent | Price |
|---|---|---|---|
| Wales, under manager ... ... | 1,600 | 60 | £800 |
| Good Dispensing, County Town ... | £1,500 | £100 | Valuation |
| Twenty miles out ... ... ... | 1,500 | 90 | Valuation |
| Good Retail, County Town ... ... | 1,400 | 80 | Valuation |
| South Coast ... ... ... ... | 800 | 50 | Valuation |
| Thames Valley. Immediate sale ... | 800 | 55 | First offer |
| Unopposed, Co. Durham ... ... | 700 | 23 | £250 |

# TOMTOM

Telegraphic Address:
**THOS. TOMLINSON & SON.**
Chemists' Valuers and Expert Stocktakers.
Businesses transferred privately.
45A MARKET STREET, MANCHESTER.

**We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.**

# MESSRS. BERDOE & FISH,

***Chemists' Valuers and Transfer Agents,***

**35 JEWRY STREET, FENCHURCH STREET, CITY.**

TELEPHONE: 1809 CENTRAL.

**Have the following Businesses for Disposal. (No charge to purchasers.)**

1.—SOUTH COAST.—Select Family Retail and Dispensing Business; about 8,000 Prescriptions yearly; returns over £1,300; net profit about £450 clear; fine Pharmacy, fully stocked; splendid residence; price £1,000; personally recommended.

2.—HOME COUNTY (Market Town).—Good-class Retail and Dispensing; returns nearly £900, increasing; excellent profits; Assistant kept; good position; fully stocked; price £700, or £50 and valuation.

3.—KENT COAST.—Good-class Retail and Dispensing Business, in same hands many years; now retiring; handsome Pharmacy, in splendid position; plenty of scope on modern lines; price £800.

4.—EASTERN COUNTY.—Sound unopposed Village Business; no Oils or Paints; returns £750; net profit £300; low rent; nice house and large garden; price £525.

5.—SURREY (20 miles out).—Light Retail and Dispensing Business, pleasantly situated; unopposed; returns £670; net profit £238; modern house, every convenience; price £500; strongly recommended.

6.—WEST OF ENGLAND.—Old-established Retail Business, in small town; returns over £500, and increasing; low rent; good house; large shop, fully stocked; price £400.

7. KENT (Distant Suburb).—Light Retail and Prescribing Business, increasing; returns about £750; no side-lines; net profit 33⅓ per cent.; large shop; very good house and nice fruit garden; price £550.

8.—HAMPSHIRE. — Owner, going abroad, will sacrifice snug little Business in good market town; returns £8 weekly; can be much increased; low rent; price £135 or offer; £50 can remain.

9.—LONDON SUBURB.—Light Retail and Dispensing with Prescribing; no cutting, and yielding over £500 net profit last year; books properly kept; good position; well fitted and stocked; price £1,150; personally recommended.

10.—LONDON (Essex Suburb). — £225 secures a sound Light Retail, at present doing £11 weekly under manager; plenty of scope; good position; low rent; only requires seeing.

11.—HAMPSHIRE.—Very profitable Cash Retail, Prescribing, and Dispensing, at full prices; returns £800; net profit £300; first-rate position; well fitted and fully stocked; price £675.

12.—KENT. — Sound Light Retail Business, in best position; returns £1,400; net profits £314; books kept by accountant; good premises; own property; price valuation, about £750.

13.—GLAMORGANSHIRE.—Unopposed Light Retail, in rapidly growing district; returns £828; plenty of scope; net profit about £250; own property; selling through failing health; price £350; stock and fixtures worth £450.

14.—CO. DURHAM.—Unopposed Light Country Retail in pleasant town; returns £656; net profit £223; convenient house; low rent; price £300, or valuation.

15.—NORTH-EAST COAST.—Neglected Cash Retail and Prescribing Business; returns £820; was doing £1,150, and can again; fine shop in splendid position; price, valuation, about £500.

16.—MIDLANDS.—Sound Mixed Retail, in small industrial town; population 12,000; one other Chemist; returns £650; plenty of scope; low rent; modern premises; price £300, or offer.

17.—LINCS. — Unopposed General, Country Retail; under manager; returns £450; scope for much increase; low rent; shop recently refitted and restocked; price £275, or valuation.

18.—DERBYSHIRE (Market Town).—Sound Light Retail Business in growing town; returns about £500; plenty of scope; very low rent; modern Pharmacy; good position; price £250, or valuation.

19.—LONDON, W.—High-class Suburb; Light Retail and Dispensing Business; returning £1,600; low rent; valuable lease; well-fitted shop; good stock; price £750.

20.—LONDON, S.E.—Good-class Cash Retail Business in fine main-road position; returns £30 a week; net profit £400; handsome Pharmacy, fully stocked; price, simply valuation, about £1,000; trial allowed.

**VALUATIONS FOR STOCKTAKING.** Have you read our pamphlet on the necessity and advantages of Stocktaking? It should be read by every Chemist in business. Sent free on application, together with our new and revised terms. 42 years' practical experience.

# BUSINESSES for DISPOSAL

**3s. 6d. for 50 words or less: 6d. for every 10 words or less beyond, prepaid.**

## COLONIAL BUSINESSES.

**We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.**

**LETTERS in reply to Advertisements may be addressed to this Office, and will be forwarded to the Advertiser for an additional charge of 6*d*.**

**Trade circulars, samples, and printed matter can in no case be forwarded.**

BERKSHIRE.—Rising Suburb, no opposition.—For Sale, good-class Family Business, doing about £10 weekly; could be much increased and Dentistry added; price about £450 for lease, stock, fixtures, etc. Apply, John Hodge, Solicitor, Weston-super-Mare.

CHESHIRE (Suburbs).—Unopposed; rent with house £40; returns upwards of £1,000; Wine Licence; valuation about £350. Apply, W. Conway, Chartered Accountant, Chester.

DEVON.—Old-established Light and Dispensing Business, pleasantly situated in small market town; low rent; splendid house and very attractive Pharmacy, well kept and fully stocked returns £700; profits good; scope for increase; price £600, little more than value of stock and fixtures. Apply, "Devonia" (193/11), Office of this Paper.

EASTERN COUNTIES. — For immediate Disposal, good old-fashioned Country Business; established about 100 years; estimated net profits over £500. For full particulars apply Southall Bros. & Barclay, Ltd., Valuation and Transfer Department, Birmingham.

HERTS.—Genuine Business for Sale; established 45 years; no opposition; plenty of scope; Agricultural and Family trade; returns £900; could be increased by Dentistry or Optics; expenses small; comfortable house, large garden. Apply to "D. E." (189/3), Office of this Paper.

LANCASHIRE. — For Sale, through death, old-established Chemist's and Druggist's Business; good position in market town. For particulars apply 187/5, Office of this Paper.

LINCOLN, in Main Street.—A capital Drug Business for Sale; a splendid opportunity for a pushing young man; will accept a fixed sum or valuation. Apply to D. Jones, 397 High Street, Lincoln.

LONDON, W. (near Whiteley's new premises).—Splendid main-road position; old-established Business; well stocked; price only £550; bargain. Full particulars write Box 861, c/o Messrs. Gibbs, Smith, 10 High Holborn, W.C.

LONDON, S.E.—Sound Family Retail and Prescribing Business; same hands 17 years; good main-road position; net profit nearly £200 a year; excellent opening for Photographic and Dentistry; large shop, good windows, well stocked; price £230; fullest investigation courted. Address, "Prescriber" (193/101), Office of this Paper.

MANCHESTER (near).—Chemist, desirous of retiring, is open to Dispose of his Cash Business privately; newly fitted shop and excellent house; clean profitable business, with Branch Post-Office attached, but work separate; salary covers rent, rates, and taxes; a valuable asset. Apply, by letter, to "Chemist," Post Office, South Levenshulme, Manchester.

MANCHESTER (two miles). — Old-established Business, with Wine Licence; busy main thoroughfare; healthy locality; convenient house; rent £45; business small, but profitable and capable of extension by energetic man; owner desires to sell through age; low price, £175; the stock is good and worth the money. T. Gresty, 175 Broad Street, Pendleton.

MIDLANDS.—First-class Retail and Dispensing Business for Disposal in capital position of high-class town; turnover exceeds £2,000, and increasing; good profits; very suitable for two energetic men; applicants must be able to invest £1,700; references required. Address, "Iridin" (193/110), Office of this Paper.

NORFOLK.—Good position in main thoroughfare; handsomely fitted, well stocked; returning £500; has done £1,000; exceptional opportunity for young man with small capital; low price will be accepted for quick sale. Full particulars, "Landlord" (186/o), Office of this Paper.

SOUTH COAST.—Good-class Dispensing and Light Retail Business, enjoying a steady all-the-year-round trade; over 4,500 private scrips dispensed yearly; turnover between £850 and £900; low rent; premises stand well, with no fear of further opposition; will accept £450 for early sale. Apply, "Scrip" (193/011), Office of this Paper.

SOUTH WALES.—For immediate Disposal, a Chemist's Business in a populous Colliery district, Glamorganshire; returns about £900; Patents under £200; scope for increase; no opposition; valuable Proprietaries; price £550, or £200 down, £150 may remain. 189/5, Office of this Paper.

SOUTHAMPTON.—Old-established Business, with Wine Licence; commodious, well-fitted premises, busiest working-class shopping thoroughfare in this progressive town; large trade formerly done; has declined owing to neglect and unqualified management; no goodwill; valuable fixtures, fittings, and stock £100 for immediate sale; real bargain. Hodson, 2 Portland Street, Southampton.

YORK.—For immediate Disposal, a very pleasant Pharmacy, with good Family, Prescribing, and Dispensing business; the only qualified Chemist in the district; splendid house attached, with private entrance; excellent reasons for selling; all particulars in confidence. Write, "Vulcan," c/o Raimes & Co., Chemists, York.

A PROFITABLE Business (Drug and Fancy Trade) for Sale near to King's Cross; double-fronted shop; small house, private entrance; expenses low; returning about £500 per annum; suitable for anybody wanting a business; would also pay to run as branch; better value never offered at £185. "Pyramidon" (189/6), Office of this Paper.

CHEMIST, who wishes to devote whole time to another Branch of his business, is desirous of Disposing the Retail part of his business, recently refitted; old established; nearest opposition about half-a-mile; in industrial district; main thoroughfare; good premises; low rent; a bargain to a smart up-to-date young man; offers invited. Apply, "Cymro," Brynawel, The Parade, Whitchurch, Cardiff.

CHEMIST'S and Druggist's Business for Sale as a going concern in populous district of Manchester, through illness of the proprietor; Dispensing and Prescribing; corner shop on busy main road, with good living accommodation; rent £50; returns £1,000. For further particulars and to view apply Mellors, Basden & Mellors, Chartered Accountants, 18 Exchange Street, Manchester, and King John's Chambers, Nottingham.

FOR immediate Disposal, small Business in residential neighbourhood, Suburbs; no near opposition; excellent opening for Dentistry and Optics; stock all in good condition; good lease; garden and side entrance; price asked, value of stock and fixtures; good opening for one starting business; references given and required. Address, James, 34 Wellesley Road, Harrow.

GOOD position capital city, Midlands; old-established Family, Dispensing, and Retail; returns £1,400, at good prices; double-fronted, well-fitted shop, 6 rooms over, £80; vendor retiring; price, one year's net profit as goodwill and valuation of stock and fixtures. "Vendor," 174 Victoria Street, S.W.

LIGHT Retail, with Photographic and Wine Licence, in main street of rapidly rising town in South Wales; average returns for last 7 years £1,200; net profit £350; good lease granted; own property; vendor retiring; price £750; part may remain. Apply, "Retiring" (187/25), Office of this Paper.

PROFITABLE little established Branch, N. London, returning under unqualified manager nearly £700; nice, modernly fitted shop in plate glass and mahogany; attractive front; fair house, in good repair; low rental; quick small Drug sales; few Patents; situate in rising busy market; price, valuation of stock and £30 goodwill; fixtures may be rented, or will sell stock and fixtures valuation and no goodwill; satisfactory reasons for disposal. "Z. Z." (174/26), Office of this Paper.

SMALL Country Business, 8 miles from Leeds; no opposition or qualified man in district; ill-health cause of disposal; well-fitted shop and comfortable house; price £86. Apply, H. H. Smith, Hirst, Brooke & Hirst, Ltd., Leeds.

GOING abroad immediately owing to ill-health; to secure early sale first reasonable offer about £300 will be accepted for good Family Retail in central position good town near London, West; nice shop, lobby entrance, well fitted; good house, small garden; rent £55; Optical connection and some Extractions; returns £800, but lately neglected and fallen; plenty scope; can easily do £1,200. "Amicus," 36 Woodstock Avenue, Golder's Green, N.W.

**£720.**—Cash Business; turnover £1,100; net profit, after rent and rates are deducted, £320; no agents; bankers' references. Apply, "Xylem" (187/15), Office of this Paper.

# TENDERS.

CHEMIST'S BUSINESS.—To be SOLD by private tender, pursuant to an Order of His Lordship Mr. Justice Swinfen-Eady, made in the Matter of Congdon & Co., Ltd., 1912. C. 7355. All those the Leases, Fixtures, Fittings, Stock-in-Trade and Goodwill of the businesses of Chemists and Druggists carried on by the said Congdon & Co., Ltd., at 14 Crown Road, Twickenham, and 259 West End Lane, West Hampstead. Tenders can be made for one or both businesses and are to be sent to Messrs. A. S. Potter & Co., 126 Maida Vale, London, W., not later than the 18th October, 1912.

Particulars and conditions of sale and forms of tender may be obtained of Messrs. A. S. Potter & Co., and of Messrs. Chas. Comins & Co., 50 Cannon Street, London, E.C.

# BUSINESSES WANTED.

LONDON.—Small Business in City, West-End, or near wanted to purchase, or advertiser would assist at nominal salary with above object. "Privacy" (187/11), Office of this Paper.

PHARMACIST is open to purchase for cash a genuine Business on South Coast; good position essential: neglected business not objected to; must be plenty of scope. "Billy" (184/25), Office of this Paper.

PHARMACIST desires to purchase good-class sound Business showing net profit about £250; Suburban London or near preferred: neglected business entertained. Particulars, in confidence, to "Statim" (193/14), Office of this Paper.

# FOR SALE.

WATERLOO, Belgium.—To be Sold, at advantageous prices, for England and Colonies, the ownership of a Belgian Pharmaceutical Speciality, patented and most genuine; only those who are genuinely interested will receive information. Offers to E. Jaminiau, Waterloo.

COMPLETE Set of Laboratory Reagents and Apparatus, cheap. 191/17, Office of this Paper.

FOR immediate Sale, the Fittings of a Pharmacy; Drug Fixture, 15 ft. 6 in.; Counter, with Glass Cases in front, 8 ft. 9 in.; Dispensing-screen and splendid Window-enclosure, with Plate-glass Shelves and 3 Mirrors; 3 pear-shaped Carboys; Soda-water Trolley, etc. For particulars apply Bodley, Four Oaks, Sutton Coldfield.

ON Sale, a good strong adjustable Rotary Tablet-machine, capable of making 60 round Tablets a minute, diameter 1 in., depth ½ in. or less; practically new; would accept half cost to clear. Edward Milne & Co., Spalding.

# PARTNERSHIPS.

CHEMIST-DENTIST required by Company; best site in London, with suites of rooms; capable doing large turnover; exceptional opportunity offered to gentleman who can invest £500 to £1,000. Address, "Dens" (67/25), Office of this Paper.

DENTISTRY.—Advertiser, having rapidly increasing Practices (town and country), returning £1,000 p.a. gross, would consider Partnership with Chemist having some knowledge of Dentistry. Particulars, "Molar" (184/18), Office of this Paper.

PARTNERSHIP desired in Chemist's business (not large); country town or seaside; Mixed or otherwise. "A. J.," 2 Palace Avenue, Hastings.

PHARMACIST, with expert knowledge of home and foreign Dispensing, Languages, Photography, etc., is open to purchase Partnership in good-class business; or he would join another man in opening or purchasing a high-class Pharmacy on equal terms. "International" (192/28), Office of this Paper.

YOUNG qualified Chemist wanted, who can invest £500 and devote his entire time to the Managing of a Manufacturing Department making a splendid article for the Chemist trade; capital opportunity for energetic young man; position offered only young man with snap and go; tremendous field and best arrangement for making, marketing, etc. Apply, in own handwriting, to "S. C. W." (186/22), Office of this Paper.

YOUNG Pharmacist, well educated, and with good West-End experience, desires Partnership in high-class business (London); would serve probation as Manager or Assistant if desired, or would join another Pharmacist in purchasing a business. "Bene" (189/25), Office of this Paper.

# AGENCIES.

AUSTRALIA. — Well-known British Toilet and Household Ammonia Manufacturers require in each Australian centre firm with established Chemist and Stores connection as Agents. 190/22, Office of this Paper.

BRUSSELS.—Advertiser, with office and depot, and a good connection among Druggists, Oil and Colour Men, Painters, etc., is open to take up selling Agency for good British house. Apply to O. Kalter, 47 rue du Chemin de Fer, Brussels.

ADVERTISER, possessing a well-known Speciality which has already been fairly well placed on the market, would like to share time of another non-competitive proprietor's Traveller and bear portion of salary, expenses, etc.; preferably one calling on Chemists once or twice annually; or would treat with Traveller direct on similar terms. Reply, "Ajax" (184/22), Office of this Paper.

COMPANY with offices and warehouse in North of England are open to take up Sole Agency, Chemicals, Surgical Instruments or Dressings, or real live Speciality, for North Country; well received and excellent references. Apply, with full particulars, in confidence, 69/36, Office of this Paper.

ENGLISH Pharmacist, well known in Winnipeg and Western Canada, desires to correspond with English Drug and Sundry houses with view to Representation or Agency. Address, "Pharmacist," 423 William Avenue, Winnipeg, Manitoba.

LONDON firm employing capable Salesman covering the whole of England and Scotland is prepared to act as Selling Agents on commission; goods in general demand only or well-known Proprietaries can be considered. Reply to 186/23, Office of this Paper.

TRAVELLER, residing in Johannesburg, calling on Chemists, Hospitals, and Government Institutions throughout South Africa, would like to take up special lines that would not clash on a commission basis and part expenses. Apply, "C. B." (156/28), Office of this Paper.

# TO LET.

CHARLTON, Kent.—Remarkable for no empty private houses; Shop and House to be Let, opposite Railway Station, next Post Office and S.W. Bank; population 30,000; suit Chemist. "Owner," Wellington Mansions, Charlton.

LONDON, main thoroughfare W.—Long-established Cash Drug Stores and Chemist's can be had without premium for goodwill; good shop, good house, electrically wired throughout; good position; lease will be granted at moderate rent to suitable applicant; exceptional circumstances. 188/23, Office of this Paper.

A SPLENDID opening for a Chemist and Surgery occurs in a terrace of old-established main-road shops adjoining S.E. and C.R. main-line station, surrounded by a large and growing high-class neighbourhood; the landlord would arrange extremely desirable terms to a good tenant. Apply, 110 High Road, South Tottenham.

CHEMIST has spacious Warehouses to Let at rear of shop; side entrances; central position of market town near London; suitable for Manufacturing and Packing Specialities, etc.; proprietor would interest himself in suitable article, having exceptional opportunities for pushing sale in district. 188/17, Office of this Paper.

COMMANDING corner Premises, also smaller one partly fitted up, to Let; good opportunity for Chemist and Druggist, also Dentistry; large neighbourhood; no opposition; good house; very low rental. Keys at Caretaker, Central Market, 274 Hither Green Lane, Lewisham, S.E., or conditions of Owner, "F. H.," 66 Holland Road, Kensington.

EXCELLENT position for a Chemist; Shop with Dwelling-house to Let, Sundridge Park Station, Bromley, Kent; side entrance; good-class residential neighbourhood; main road; commencing rent £50. Further particulars of H. Kemp, Auctioneer, 271 Queen's Road, Peckham.

SHOP to Let.—House and Shop to Let in good position; fitted up for Chemist; rent £38; working neighbourhood; No. 278 Haydons Road, Wimbledon. Apply to T. Jones, 286 Upper Richmond Road, Putney, S.W.

SHOPS (handsome) to Let; Druggist, Draper, Boots, Grocer, Furnishing, Pork Butcher, Milliner, Ham Beef, China, Domestic Oil Colour Stores; rents £60, £100, £110, £125, and £150; largest 11 rooms. "L. R.," 8 San Remo Parade, Westcliff-on-Sea.

# APPRENTICESHIPS.

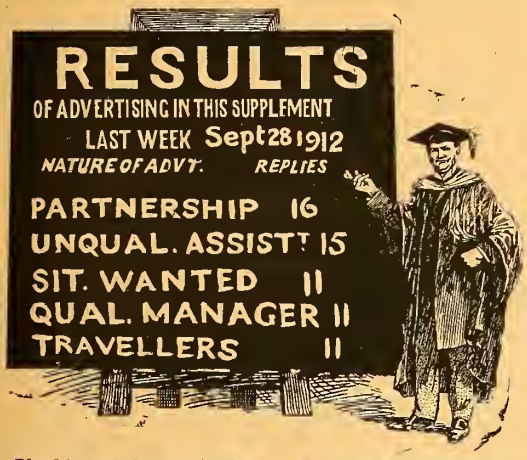
APPRENTICE.—Youth (16), 6 months' experience, wishes to serve 3 years, in or out doors; Liverpool or Southport district. Address, "Chemicus" (187/8), Office of this Paper.

WANTED, a well-educated youth for high-class Dispensing business; 3 years' apprenticeship; must have passed Prelim.; time given for study. Apply, W. G. Roberts, Pharmaceutical Chemist, 441 Smithdown Road, Sefton Park, Liverpool.

# SITUATIONS OPEN.

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.**

**NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.**

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## TO SAVE TROUBLE.

**MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.**

## ANSWER IN TERMS OF THE ADVERTISEMENT AND

**REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.**

**BE BRIEF BUT CLEAR—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.**

## RETAIL.

BRIGHTON.—Part-time man wanted; light duties; suit elderly man. State when free, "X. Y. Z." (189/20), Office of this Paper.

BURTON-ON-TRENT.—Smart Junior, with good all-round capabilities (outdoors), at once; good Dispenser and Salesman; high-class Retail; easy hours; no duty. Apply, with photo (which will be returned), stating height, age, salary, and giving references, to Francis Hallam, Ltd., 22 High Street, Burton-on-Trent.

CARDIFF. — Unqualified Assistant wanted; age 26-30; good worker essential; outdoors; 30s. week. Send copy of references, Hagon, 5 Bute Street, Cardiff.

DOWLAIS.—Junior or Improver wanted immediately; indoors; comfortable home. Apply, stating full particulars as to age, references, salary required, etc., to Evans, Pharmacist, Dowlais.

ESSEX COAST.—Reliable Assistant wanted, accustomed to quick Counter trade and Dispensing. Apply, stating experience, salary required, etc., with photo, to 190/12, Office of this Paper.

HYDE.—Wanted, for a good-class Mixed business in manufacturing town near Manchester, a smart, qualified, up-to-date Assistant; must be good Counterman and Dispenser; outdoors; reasonable hours; no night or Sunday duty; comfortable berth to a suitable man. Send full particulars, with photo, in first letter, Geo. Wild, Chemist, Hyde.

HAMMERSMITH (near).—Vacancy in Cash Retail for elderly qualified Chemist, part-time, light work; also for qualified Assistant for 3 evenings and alternate Sundays. Apply, stating salary required, etc., to 190/40, Office of this Paper.

HORLEY.—Junior wanted at once (outdoors) for a good-class business. Send full particulars, stating salary, and enclose photo, A. B. Higgs, Chemist, Horley, Surrey.

KENT.—Required, Assistant, unqualified (married preferred), for a quick Cash business; must be an excellent Counterman and methodical Stockkeeper. State age, name of last two employers for reference, and salary required, 69/31, Office of this Paper.

LONDON (West-End).—Wanted shortly, Continental Assistant, preferably Swiss, speaking French and German; excellent opportunity for learning English. Apply, with full particulars and photo, by letter only, "A.-C.," 45 Edward Street, Regent's Park, N.W.

LONDON, N.W. — Qualified Assistant wanted (outdoors), age about 25 years (only one kept), with good Dispensing and Counter experience in good-class Pharmacies. Personal application preferred, if by letter state full particulars, salary required, and enclose photo, T. F. Elton, 28 Endsleigh Gardens, Euston Square, N.W.

LONDON, W.—A competent Assistant, good Salesman and with some knowledge of Dispensing and Photography, for busy West-End business; qualification unnecessary; outdoors; no Sunday duty. State salary required and full particulars of previous experience, Manager, H. Lamplough, Ltd., 166 Strand.

LONDON, S.E.—Manager wanted, for first-class Dispensing and Retail; live on premises, and preferably with Optical Diploma; state age, height, terms, photo, and references for last four years; also Junior for Counter and Stock. Full particulars and salary required, with photo, "Trio" (192/21), Office of this Paper.

LONDON, S.W.—Wanted at once, qualified Manager, not over 30, married, to take charge of small Pharmacy; convenient house found with gas stove and electric light; comfortable berth for a steady, reliable man. State age, height, salary required, and reference to Totten, Pharmacist, Raynes Park, S.W.

LONDON, W.—Messrs. Meacher & Higgins have a vacancy for a smart Junior (one who has just completed his apprenticeship preferred). Apply, giving usual particulars (outdoors), to 105A Crawford Street, Montagu Square, W.

LONDON, S.W.—Assistant wanted, about 21 (indoors), for good-class Dispensing and Retail, Photography; 2 kept. Apply, stating age, height, experience, and salary required, to Feltwell & Son, Chemists, Church Road, Barnes, London, S.W.

LONDON, W.—Unqualified Assistant wanted for Dispensing business, age about 25; indoors. Apply, Maitland, Son & Lindley, 10 Chester Place, Hyde Park Square.

LONDON, S.W.—Qualified Assistant; age about 23 years; good Dispensing experience essential. Apply, with full particulars, to Secretary, Cooper Son & Co., Ltd., 80 Gloucester Road, South Kensington.

LONDON, S.W.—Assistant wanted, about 25 (outdoors), for Cash business; must be good Counterman and Window-dresser. Reply, giving age, reference, salary required, enclose photo (which will be returned), to 193/30, Office of this Paper.

LONDON.—Elderly qualified gentleman required for permanency; easy position, but applicant must have good and recent credentials, and in reply kindly give same, with age, and stating remuneration expected. 195/300, Office of this Paper.

MANCHESTER District.—Wanted, a youth as Junior (outdoors) for Mixed business. State age, salary required, and references from two last employers (commence duty November 18, 1912), 191/32, Office of this Paper.

NORTH WALES (near the Border). — Qualified Manager for Branch in healthy country district; must be capable and energetic, good Counterman and Prescriber, and submit unexceptional references; Welsh-speaking an advantage, but not essential; pleasant district; easy hours; salary, house, gas, and commission; only one requiring permanency need apply. "Landwor," c/o John Thompson, Ltd., Hanover Street, Liverpool.

OLDHAM.—Qualified Assistant for brisk Retail trade; must be quick and reliable, a good Salesman. State age, height, experience, references, and salary required, enclosing photo, 187/24, Office of this Paper.

PUTNEY, S.W.—Wanted immediately, a Junior Assistant, with knowledge of Dispensing, for good-class business; indoors. State particulars as to height, etc., with photo, to Thos. Evans, Pharmacist, East Putney, S.W.

RAMSBOTTOM, near Manchester. — Wanted, an unqualified Assistant, single (outdoors), for a Mixed business; must be a capable all-round man and smart Window-dresser; half-holiday weekly; no Sunday duty; a good wage to suitable man. Please state age, experience, references, and photo if possible, to J. W. Bracewell, Chemist, Ramsbottom.

TUNBRIDGE WELLS.—Qualified Junior Assistant (indoors) for Dispensing business; principal non-resident. State usual particulars, salary required, enclosing photo, Howard & Son, Pharmacists, Tunbridge Wells.

WEST HAM AND EASTERN GENERAL HOSPITAL, STRATFORD, E.—Wanted, a qualified Assistant Dispenser (male), age 30-40 years; salary 35s., with dinner. Apply, with copies of three recent testimonials, to A. W. Scrivener, Secretary.

WOOLWICH.—Junior Assistant (outdoors) for good-class Photographic and Dispensing business. Apply, A. Goldthorpe, 10 Powis Street, Woolwich.

A SMART Junior Assistant; one accustomed to Dispensing and good-class Retail. Apply, stating age, references, experience, and salary required, Hawker, Chemist, Bristol.

A. STOOKE, 166 High Street, Gillingham, Kent, has a vacancy for an outdoor Improver or Apprentice just out of his time; must have a knowledge of Dispensing and Photography.

ASSISTANT; reliable; unqualified; age about 25; must have had good all-round experience; hours moderate; salary 30s. per week (outdoors). Apply, with full particulars of experience, age, height, and giving references, to Jones, Pharmacist, Swinton, near Rotherham.

ASSISTANT wanted; indoors; 3 kept. Apply, giving full particulars as to age, height, salary required, and enclosing photo if possible, to Gregory & Wrenn, Chemists, Taunton.

ASSISTANT for first-class Dispensing business; short hours; must be quick and accurate Dispenser; would prove comfortable situation to suitable man; age about 25. Photo, age, salary and full particulars, "Vator" (189/15), Office of this Paper.

DISPENSER wanted for Surgery (whole time). Apply, by letter only in first instance, to Drs. Ker and Johnson, Gothic Lodge, 1 Old Devonshire Road, Balham, S.W.

DO you want a comfortable berth? then apply as below, easy hours, in a high-class Pharmacy in South of England; no nagging indulged in; peaceful life for a smart, energetic, unqualified gentleman whose character must bear closest investigation. In first letter state age, height, salary required, and enclose photograph, to "Comfortable" (190/18), Office of this Paper.

IMPROVER or Junior wanted immediately; indoors. Full particulars, salary, etc., to Slatter, Chemist, Gloucester.

IMPROVER, 18 to 20; indoors; short hours; half-holiday; must be of good address. Give fullest particulars, with references and photo, to Thomas, Chemist, Faversham.

IMPROVER or Junior (outdoors) for quick Cash trade; state age, experience, and salary required; half-holiday weekly; no Sunday duty. Apply, with references, to J. & J. Thompson & Co., Ltd., Cash Chemists, Oldham.

JUNIOR Assistant, 20 to 22, for good-class Dispensing and Retail business; time for study could be arranged if desired. Apply, with full particulars of age, height, salary, etc., and enclose photo, to Hawley & Son, Pharmacists, Aigburth Road, Liverpool.

JUNIOR Assistant wanted for Stock and Counter work; must be quick and obliging and fair writer. Apply, stating full particulars and enclosing carte, to F. Wilde, 100 Brompton Road, S.W.

JUNIOR wanted for quick Cash business in working-class district. Usual particulars to S. Briggs, Chemist, 31 The Broadway, Crouch End, N.

MANAGER, single, wanted at once for Branch Dispensing, Light Retail, and Photographic, in healthy, pleasant suburb of Bristol; indoors; single-handed; comfortable home; hours 8 A.M. to 8 P.M.; must be thoroughly reliable, sober, honest, and not elderly. Full particulars and photo, Blissett, Victoria Street, Clifton, Bristol.

PRICHARD & CONSTANCE, Haymarket, London, require a well-educated qualified Assistant; salary £156 per annum (outdoors). Address, Mr. Theakston, 64 Haymarket.

QUALIFIED Assistant at once for high-class Dispensing, Photographic business; must be smart at Counter work. Druce & Co., Chemists, 118 High Street, Oxford.

QUALIFIED, smart young men wanted; no Sunday duty. Full particulars, age, height, salary (outdoors), experience, references, photo (to be returned), Superintendent, Taylors' Drug Co., Ltd., P.O. Box 141, Leeds.

QUALIFIED Assistant for good-class Dispensing and Light Retail; indoors. Apply, John Cooper, Pharmacist, Weston-super-Mare.

QUALIFIED Assistant (23-30) required in Drug Department of large General Stores, chiefly for Dispensing; short hours; no Sunday or holiday duty. Write, "L. R.," c/o J. W. Vickers & Co., Ltd., 5 Nicholas Lane, E.C.

QUALIFIED man wanted; elderly not objected to; small trade; single-handed; also an Assistant. Apply, 220 Edgware Road, W.

REGISTERED Chemist, elderly, required, to give his services a few hours daily; light work; short hours; suit one requiring some little addition to his income; outdoors. State full particulars in first instance to "Statim," Cranleigh Press, Cranleigh, Surrey.

SMART youth wanted shortly to assist principal in a busy Cash Retail in Birmingham suburb; must be energetic, well up in Photography, and have good references; small, but progressive salary (outdoors). Apply, with full particulars, to "Rhei" (190/24), Office of this Paper.

UNQUALIFIED Assistant wanted, quick and obliging Counterman and good Window-dresser and Stockkeeper; age about 30; knowledge of country and Agricultural trade desirable; short hours; no Sunday duty; unmarried preferred. State age, height, references, and salary required in first letter, 191/6, Office of this Paper.

UNQUALIFIED man wanted. Apply, Cash Drug Stores, 224 Roman Road, Bow.

WANTED, Branch Manager, qualified, early in October; outdoors; must be an experienced Dispenser and good Counterman, accustomed to good-class business; abstainer; permanency to suitable man; full particulars, with references and photo in first letter. Apply, W. Barker, 9 Grimsby Road, Grimsby.

WANTED, a gentlemanly indoor Junior Assistant, accustomed to good-class Dispensing. Particulars as to experience, salary required, when disengaged, with reference, to A. G. Kenderdine, Oakfield Road Pharmacy, Clifton, Bristol.

WANTED, Junior Assistant; knowledge of Photography. Usual particulars, Culverwell & Hawkins, Minehead.

WANTED immediately, Junior Assistant, with knowledge of Dispensing, for high-class business. Apply, Quibell, The Station Pharmacy, Golder's Green, N.W.

WANTED immediately, Junior or Improver. Write, stating terms, etc., to J. R. Stevenson, Pharmacist, Harpenden, Herts.

WANTED, Lady Dispenser (whole time); live out; general practice in North Oxfordshire. Apply, stating salary required, to "Doctor," 19 Horsefair, Banbury.

WANTED, an Assistant, about 23 to 25 (qualified), for Dispensing business. State age, height, salary (indoors), when disengaged, experience, if Dispensing and Photography, names of two last employers, and time with each, 187/30, Office of this Paper.

WANTED, qualified Assistant immediately for high-class Dispensing business. Apply, full particulars, Senior, Eastbourne.

YOUNG qualified man to assist at once at Branch; one used to Drug Store or Lancashire trade. Give all particulars (indoors), "Lucem," c/o 20 High Street, Manchester.

## WHOLESALE.

COLONIAL Traveller (Perfumery).—A first-class English firm requires a thoroughly capable gentleman to start on trip to Australia and New Zealand in January next; none need apply who have not knowledge and experience in Perfumery trade. Applications, by letter only, with full particulars of experience, to "E. M. H.," Box 623, S. H. Benson, Ltd., Kingsway Hall, W.C.

FOREWOMAN and Assistant required by London house; must have had experience in Packing Chemists' and other Specialities, dealing with Sundries, etc., and be capable of controlling a number of girls. Reply, with full particulars as to experience, salary required, etc., to "A. B." (192/36), Office of this Paper.

IMPORTANT Company, manufacturing a Pharmaceutical Tonic, requires immediately a qualified Chemist as Medical Manager to introduce the product in England; the appointment (liberal remuneration, commission on sales, and travelling expenses paid) offers very good prospects to a competent man with a small capital as guarantee; the tonic, prepared by eminent doctors, has been most successfully established in France, where it is adopted and purchased by the French Government. Write to Mr. Pierre Courthial, 18 King's Arcade, Market Street, Bradford (Yorks).

JUNIOR Invoice Clerk required by a firm of Wholesale Druggists; must be quick and accurate at figures and have had a thoroughly good grounding in the Wholesale trade. Reply, giving fullest particulars of experience, qualifications, and salary expected, to 66/19, Office of this Paper.

PERFUMERY Traveller wanted, with first-class connection in London and Suburbs; undeniable references. Address, "Perfume," c/o Advertising Offices, 10 High Holborn.

REPRESENTATIVE wanted immediately by provincial firm of Wholesale Druggists; previous experience and knowledge of Drugs essential. Give full particulars, "Alpha" (187/14), Office of this Paper.

REPRESENTATIVES required, with connection among Chemists and Institutions, to take up Chemical Specialities on commission basis; every assistance given. Apply, in strictest confidence, stating ground covered, to 69/360, Office of this Paper.

SMART, well-experienced Clerk wanted for Bookkeeping and Invoicing in Manufacturing Sundries firm; also partly outdoors. Only the best need apply to Fecher, 53 Curtain Road, E.C.

WANTED, Traveller in Druggists' Sundries and Surgical Dressings; part London and Midlands, also Kent and Sussex; good connection essential. Apply, 65/21, Office of this Paper.

WANTED, Travellers, with first-class connections, to take as side line, commission only, first-class article, well advertised and rapidly growing demand. 187/23, Office of this Paper.

WET Floor.—Competent Counter hand, aged about 23-24, wanted by London Export Druggists. Write, stating full particulars of previous experience, wages expected, and if disengaged, to 20/370, Office of this Paper.

## SITUATIONS OPEN

### (Colonial, Indian, and Foreign).

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.**

BURMA.—Required, Manager; qualified man; single; between 30 and 35 years; abstainer; 4 years' agreement; passage paid out and home; salary Rs. 500 per month and bonus. Send particulars to 51/600, Office of this Paper.

CALCUTTA.—Wanted, qualified (Minor) Assistant, single, under 25; character must bear strict investigation; 4 years' agreement; salary first year Rs. 225, second year Rs. 250, third year Rs. 275, fourth year Rs. 300 monthly; passage paid out and home. Send full particulars of experience, etc., to 181/7, Office of this Paper.

CALCUTTA.—Wanted, a Warehouse Foreman, aged about 25 to 30 years, used to the Wholesale work; one who has taken charge and can pilot orders through the house from their reception until their despatch; salary first year Rs. 200 per month, second years Rs. 225, third year Rs. 250. Apply, stating educational qualifications and references (which must be perfectly satisfactory), to "K." (70/20), Office of this Paper.

CAPE TOWN.—Qualified Assistant required; salary £20 month; age about 26; passage paid. Please apply, "R. L.," c/o S. Maw, Son, & Sons, 7 to 12 Aldersgate Street, E.C.

CAPE TOWN. — Required urgently, a good qualified Junior Assistant; single; second-class passage paid out; salary £15 per month first year, £16 per month second year, £17 per month third year; sleeping accommodation provided; must be neat and accurate Dispenser. Apply, 39/51, Office of this Paper.

CAPE TOWN.—Qualified Assistant, single, under 30, gentlemanly appearance; total abstainer preferred; salary £20, £21, £22, first, second, third years; second-class passage paid. Apply, with photo and testimonials, to "R. L.," c/o Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

CEYLON.—Qualified Assistant (Minor) wanted for Ceylon; 23 to 25 years of age; single; good Salesman; pleasant address; Optics an advantage; 4 years' agreement Apply, giving full particulars, to 51/2, Office of this Paper.

JAPAN.—A thoroughly capable, gentlemanly, young man, about 25, qualified, required for a first-class English Chemist's in Japan; 5 years' agreement; passage paid out and home, and liberal terms to suitable candidate. Apply, with full particulars of previous experience, to 20/37, Office of this Paper.

NATAL.—Required immediately, qualified Assistant, age about 24 to 28; 3 years' agreement at £18, £19, and £20 per month; passage paid out, with £5 expenses *en route*; total abstainer; excellent references required. Apply, 37/15, Office of this Paper.

NICE.—English Assistant, speaking French well and having experience with foreign customers, is required for the winter Season in the Pharmacie Normale.

ST. MORITZ (Switzerland).—Qualified English Chemist required for November 1 or 15; extra language and Continental experience an advantage; salary 300 francs per month; travelling allowance 120 francs. Full particulars in first letter to International Pharmacy.

SINGAPORE.—Wanted at once, a young qualified Chemist, unmarried, age 23 to 28, to take entire management of Chemist's shop in Singapore (Limited Company); must understand stock and other accounts; salary £300; 5 years' agreement; first-class passage. Apply by letter, enclosing stamped addressed envelope, to "E. G.," 75 Chelverton Road, Putney, London, S.W.

WANTED, Straits Settlements, Assistant, qualified, about 23 to 26, with good knowledge of Photography and Optics and good all-round experience; 4 years' agreement; salary £245, advancing to £335; free rooms and medical attendance; passage paid out and home. Apply, with full particulars, to Dakin Brothers, Ltd., 82 Middlesex Street, Bishopsgate, London.

OPTICIAN.—A good opening abroad for a young unmarried qualified Optician possessing also the Chemist's qualification; must have a knowledge of Photography. Apply, by letter only, "L.," 12 Lafone Street, London, S.E.

## SITUATIONS WANTED.

**1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.**

NOTE.—Replies can be addressed to this office and forwarded to the Advertiser for an Additional charge of 6*d*.

### [HOME.]

### RETAIL.

ASSISTANT (21), tall, desires situation (Dispensing business preferred) in London, Manchester, or Birmingham; first-class experience in Counter work, Window-dressing, Extractions, Optics; disengaged November 1. C. H. Crofts, The Foley, Fenton, Staffs.

ASSISTANT (22), 5 years' experience, requires berth with short hours or time for study; outdoors preferred. "Cera," 11 Hill Park Crescent, Plymouth.

ASSISTANT or Manager; qualified; all-round experience; age 40. "Extractor," 18 Oswin Street, St. George's Road, S.E.

ASSISTANT; middle-aged; good Prescriber and Salesman. "Magnes," 18 Bryan Street, Islington, London, N.

ASSISTANT; 27; tall; abstainer; 14 years' good all-round experience Dispensing, Photographic; salary 35s. (outdoors); permanency preferred. "Competent," 23 Church Street, Leamington Spa.

ASSISTANT, Manager, or Locum; experienced, London, W., Continent, country; fluent French; Optics, Photographics. "Chemist," Maple House, Gosberton, Risegate, Spalding.

ASSISTANT (28), experienced, desires situation in London with facilities for attending classes preferred. Apply, "Statim" (178/36), Office of this Paper.

ASSISTANT; 33; single; best Retail experience; very good in Dispensing, Counter, Window-dressing, etc. "Borax" (189/12), Office of this Paper.

ASSISTANT or Manager; competent, reliable man; unmarried; good Salesman, Dispenser, Prescriber, Extractor; active, obliging; outdoors. "Phenacetin" (189/17), Office of this Paper.

ASSISTANT; 21; good all-round experience, Dispensing, Photographic, and Counter. "Radium" (189/21), Office of this Paper.

BRANCH Manager or Assistant; 34; unqualified; experienced; recommended. "B.," 10 Fore Street, Saltash, Cornwall.

BRISTOL, local; 21; 5 ft. 9 in.; 4½ years' experience; excellent references; will wait for suitable situation. Nevil, Highbridge Post Office, Somerset.

BRISTOL or near.—Excellent all-round Assistant, with 10 years' Dispensing and Store experience, window-dressing, etc.; outdoors; disengaged October 31; will arrange personal interview. "Tetanus," Colnville, Kensington Hill, Bristol.

CHEMISTS with Dental branch or opening up one.—Advertiser seeks re-engagement; reliable, fully competent; expert Operator, own instruments; disengaged. 191/7, Office of this Paper.

CHEMIST-OPTICIAN, tall, of good address and with excellent references, desires position as Manager; advertiser would invest capital in suitable business. "F. S. M. C." (188/38), Office of this Paper.

DISENGAGED; Assistant; competent, reliable; good experience Counter, Dispensing; smart. "Statim," 60 Lancelot Road, Wembley, N.W.

DISPENSER to Doctor, or as Chemist's Assistant; experienced in all branches of both professions; undeniable references; age 31. "Medicos," Pratshayes, Exmouth, Devon.

DISPENSER or Locum; first-class experience; disengaged. "Dispenser," 13 James Street, Paddington, W.

DISPENSER to Doctors; whole or part time; good experience. "H.," 116 Gaskarth Road, Balham.

DISPENSER; situation wanted in London; 12 years' experience in Doctor's surgery; bookkeeping, typewriting; age 30; excellent reference. Edwards, 52 Hasker Street, S.W.

EVENINGS; qualified; reliable; experienced; take charge; Dispense, Assist; one or more weekly accepted. "Minor," 12 Tyrwhitt Road, Brockley.

EXCELLENT opportunity for International Pharmacies. — Continental Assistant (30), good salesman, fluent French, German, Italian, desirous of improving his good English, seeks immediate situation; salary very moderate. Apply, "Switzerland-Riviera," 17 Alderney Street, S.W. Also wishes exchange of conversation with English Assistant.

EXPERIENCED Manager or otherwise; married; disengaged; 36; unregistered. "Chemicus," 27 Portsmouth Street, C.-on-M., Manchester.

EXPERIENCE wanted.—Lady, Minor qualification, desires post in good-class Dispensing business. 190/25, Office of this Paper.

FRENCH Assistant (24 years), speaking Italian and Spanish fluently and a little English, with knowledge of English Pharmacy, desires situation. Apply, Jean Roch, c/o 18 Chivalry Road, Wandsworth Common, S.W.

HELP; elderly man (60), qualified, active, good health, tall, experienced in Retail, Surgery, Institution, requires berth; good reference. 193/10, Office of this Paper.

JUNIOR, unqualified, 5 ft. 7½ in., requires permanency; excellent reference. Lloyd, c/o 17 High Street, Hemel Hempstead.

JUNIOR; 21; tall; 5 years' experience; abstainer; Retail, Dispensing, Photography. 187/29, Office of this Paper.

JUNIOR (20) requires situation; London preferred. Alexander, 11 Sleaford Road, Boston.

JUNIOR; excellent Dispenser; City preferred; personal interview. Barber, 7 Radcot Street, Kennington.

JUNIOR requires post immediately; Packer preferred; good Counterman, Stockkeeper, etc.; good references. "C. H.," Bell Boarding House, French Street, Southampton.

JUNIOR; South Devon; tall; good references; disengaged. "G. R.," 55 High Street, Totnes.

JUNIOR; 21; free after 7.30 P.M. Saturday and during whole Sunday, desires further occupation; Counter or Dispensing. R. Smith, 56 Duncombe Road, N.

JUNIOR, disengaged, desires situation; Lancashire preferred; used to high-class Dispensing. Apply, "Boric" (191/5), Office of this Paper.

JUNIOR; 3¾ years' town and country experience; Liverpool district preferred. 189/40, Office of this Paper.

LADY Dispenser, Hall, 3 years' experience, requires post with Doctor or Institution. Apply, with particulars, to Miss Sellon, Cedar Cottage, Callow End, Worcester.

LADY (Minor) requires situation as Assistant, or would Manage Branch; over 5 years' Retail experience; knowledge of Photography; excellent references. 187/16, Office of this Paper.

LADY Dispenser (Hall); experienced, careful, reliable; bookkeeping. 2 Selwyn Road, Upton Manor, E.

LADY Dispenser; Hall qualification; experienced; disengaged. "C.M.P.," 33 Bedford Road, Ilford.

LOCUM, Relief, Manager; reliable, experienced; highly recommended; disengaged 10th inst.; town or country. "Squill," c/o Pryce-Jones, Chemist, Bourne End.

LOCUM-TENENS or permanency; experienced; disengaged October 7. Jones, 2 Glanmor Terrace, Llanelly.

LOCUM; permanency; experienced Prescriber, Counterman; excellent references; abstainer; 49; single; unqualified. "Energetic," 20 Chapel Street, Uxbridge.

LOCUM or permanency; disengaged; 37; thoroughly sound all-round experience. "Extractor," 40 Dalyell Road, S.W.

LOCUM-TENENS (disengaged) or Senior; Dispensing, Bookkeeping, Scientific Apparatus; accustomed Management Stores; middle-aged; sine Pharm. Diploma. "Thorough," 16 Selborne Road, Wood Green, N.

LOCUM or Manager; qualified; 47; reliable; excellent references; London and country experience; disengaged October 7; knowledge Photography. T. H. Dewey, Stonehouse, Gloucester.

LOCUM, Relief, Part-time; qualified. 24 Wandsworth Bridge Road, Fulham, S.W.

LOCUM or permanency; reliable; competent; town and country experience; disengaged. 191/70, Office of this Paper.

LOCUM or Manager; highest references; North or Midlands preferred. "Beta" (193/3), Office of this Paper.

LOCUM or permanent; qualified; 5 ft. 10 in.; 39; good address and appearance; town and country experience. Longman, 17 York Chambers, Adelphi.

LOCUM; qualified; reliable; disengaged 3rd. "Chemist," 5 Exchange, London Road, Thornton Heath.

M.P.S., D.B.O.A (27), qualified Optician, requires responsible Management; 11 years' all-round experience, Dispensing, Photography, Prescribing; excellent references; married. "Optometrist," Sedgley Park Pharmacy, Prestwich, Manchester.

MANAGER; qualified; excellent London experience. "Ajax," 28 Silver Crescent, Gunnersbury, W.

MANAGER; 35; 5 ft. 10 in. in height; qualified; married; 18 years' first-class experience; excellent references; Extractor. Mitchell, 58 Great Norbury Street, Hyde, Cheshire.

MANAGER, qualified (37), requires permanent post in up-to-date brisk business; smart Counterman and Prescriber, good Window-dresser and Photography. "Chemist," 23 St. John's, Worcester.

MANAGER, Assistant; Photo, Prescribing; good general experience; highly recommended by late employer; South Coast preferred; free. "Celeritas," 8 Queen's Road, Shirley, Southampton.

MANAGER or Senior; 33; immediately; outdoors; first-class West-End experience; excellent references. "Pharmacist," 39 Avondale Road, Palmers Green, N.

MANAGER; good all-round experience, Dispensing, Counter, Photography; married; 34; excellent references. "Qualified" (188/37), Office of this Paper.

MANAGER; qualified; outdoors: London; thoroughly experienced; married; 45; disengaged November 1. "Filac" (189/16), Office of this Paper.

MANAGER; 32; M.P.S.; all-round experience; excellent references; Optics; reliable; disengaged any time. 190/17, Office of this Paper.

MANCHESTER.—Branch Manager or Doctor's Dispenser; qualified; abstainer; good experience; Prescriber. "Pharmacist," 41 Compton Street, Chesterfield.

NO Salary.—Qualified Swiss Chemist, speaking a little English, fluent French and German, now in England, requires position to acquire knowledge of English Pharmacy; understands Photography. "Mr. Rosanis" (68/7), Office of this Paper.

PART-TIME.—Major Student in London seeks situation, either mornings or afternoons. Reply, C. Harry, 38 Station Road, Redhill, Surrey.

PART-TIME (not evenings), London; qualified; good testimonials and references; personal interview if desired. K. Gladden, Ingham Mill, Norwich.

PHARMACIST; 26; Manager or Senior; first-class West-End and South Coast experience; excellent references; disengaged after October 14. P. M. Brooks, Flowergate, Whitby.

PHARMACIST, elderly, is open to an engagement as Dispenser, or light duties; London. "Statim," 473 Barking Road, Plaistow.

QUALIFIED Locum Tenens (27), disengaged October 21, would like temporary berth winter months. Howell, c/o Howell Pharmacist, Whitchurch Road, Cardiff.

QUALIFIED (29), good all-round experience, Photography, requires permanency (outdoors), London, third week October. Apply, "A.," 81 Nightingale Lane, Balham, S.W.

QUALIFIED; Scotchman; 29; first-class Counter and Dispensing experience; speaks French and German. Miller, 23 Oppidans Road, Chalk Farm, N.W.

QUALIFIED Assistant, Apothecaries' Hall of Ireland, seeks position; 4½ years' high-class Dublin experience. 187/21, Office of this Paper.

QUALIFIED Manager (29), abstainer, excellent London and provincial experience in Dispensing, Light Retail, and Photographics, desires provincial post with prospects of advancement. Full particulars as to salary, etc., 186/1, Office of this Paper.

QUALIFIED; good references; experienced; disengaged. "W.," 1 Garden Street, Newcastle, Staffs.

QUALIFIED; Manager or Assistant; 40; abstainer; good-class business; Dispenser, Photography; good references. Marsh, 19 Moscow Drive, Stoneycroft, Liverpool.

QUALIFIED Dispenser disengaged one or two evenings weekly; moderate. "Argon," 100A Bellenden Road, Peckham, S.E.

QUALIFIED Manager, good all-round experience, town and country, married, seeks permanency; London or district. "Pharmacist," 212 Castellain Mansions, Maida Vale, W.

QUALIFIED, elderly Manager, Assist; exceptional experience, references; permanency; moderate salary. "Q.," 118 Talbot Road, Bayswater, W.

QUALIFIED; Branch Manager, Locum, Senior; 30; 14 years' high-class experience, West-End and provinces; disengaged; good references; abstainer. C. P. Tavener, 3 Essex Road, Stevenage.

QUALIFIED Manager (38) for brisk, up-to-date business; all-round experience; good references; permanency required; outdoors. Davies, 12 Maplestead Road, Brixton Hill, S.W.

QUALIFIED Assistant; West-End and Continental experience; outdoors; 28; height 5 ft. 8 in.; disengaged. A. A. Maitland, 8 Torrington Place, Gordon Square, W.C.

QUALIFIED; 25; abstainer; Dispensing, Photographic; outdoors; disengaged. Colensa, Park View, Parkstone, Dorset.

QUALIFIED (27) desires position in live Store business, or would undertake Management of neglected business on salary and liberal commission; London preferred. Smith, 54 Kenwyn Road, Clapham.

QUALIFIED German Pharmacist, having good French and some English experience, desires situation in London; could arrange interview. Holdermann, 40 Petherton Road, Highbury, N.

QUALIFIED, single (26), desires berth as Branch Manager or Assistant; London district preferred; energetic; good references. 188/26, Office of this Paper.

QUALIFIED; 30; West-End experience; good Dispenser; excellent references; outdoors; disengaged. 188/30, Office of this Paper.

QUALIFIED elderly Chemist requires a position as Manager or Assistant; short hours for moderate terms; or Dispenser to Institute or Surgeon. 189/37, Office of this Paper.

QUALIFIED Manager; resident permanency, or view to succession easy terms. "Borax" (190/28), Office of this Paper.

QUALIFIED; 33; tall; abstainer; disengaged; good experience with or without view succession. "Salol" (191/13), Office of this Paper.

QUALIFIED Chemist (aged 49), active, healthy, whose defective hearing renders counter work impossible, seeks post as Dispenser, Bookkeeper, etc.; outdoors; preferably in health resort on South Coast. "Merod" (191/9), Office of this Paper.

QUALIFIED Pharmacist can thoroughly recommend young qualified Assistant as Manager or other position of trust; Manchester district preferred. 191/11, Office of this Paper.

QUALIFIED; thoroughly experienced modern business; London only; outdoors. Brimson, 60 Hindes Road, Harrow.

QUALIFIED; 29; first-class experience; disengaged. "Chemist," 10 Richmond Road, Shepherd's Bush, W.

QUALIFIED; Assistant or Manager; 26; experienced Dispensing and Counter; Locum or permanency; good references; disengaged. "R.," 52 Hemberton Road, Clapham, S.W.

QUALIFIED; Manager; 32; excellent all-round experience; good references; disengaged October 17. "Aspirin," c/o Challice, 34 Villiers Street, Strand, W.C.

QUALIFIED Manager; Locum, permanency; thoroughly experienced; satisfactory references; disengaged. "Phenol," 238 Derinton Road, Tooting, S.W.

RUSSIAN qualified Chemist desires a situation in London where he could acquire the English language; speaks German; has 10 years' experience. "G. S.," c/o Lewis, 39 Navarino Road, Dalston.

SENIOR Assistant or Branch Manager; disengaged; first-class experience in London and provinces; age 33; Minor qualification; Eastern preferred. Apply, 189/1, Office of this Paper.

STUDENT requires situation, part-time, nightly preferred, near London Colleges; good Dispensing experience. C. A. Forryan, Wigston Magna, near Leicester.

TEMPORARY or Locum; at liberty; qualified; 29. "Chemist," 10 Richmond Road, Shepherd's Bush, W.

£200 minimum salary.—Pharmacist-Optician (30), 15 years' experience, managing London Stores £3-5,000 turnover 10 years, seeks indoor or outdoor London post; teetotaler; proved salesman and organiser. 186/10, Office of this Paper.

UNQUALIFIED Assistant; 23; tall; disengaged; Dispensing; London preferred. Hearne, 92 Fentiman Road, S.W.

UNQUALIFIED Senior Assistant; any capacity; first-class experience; excellent references; modern high-class Store preferred; used to entire charge; expert Counterman, Photographic, and Window-dresser; age 32; abstainer; London only. "Chemist," 8 Bassett Street, Kentish Town, London, N.W.

UNQUALIFIED Assistant; 22; smart and capable, with good Dispensing, Photographic, and Counter experience; West End preferred. "H. T. C.," c/o Bailey, Chemist, Arundel.

UNQUALIFIED; Locum or permanent; married; 40; abstainer; up-to-date Prescriber, Optical, Photography; disengaged. 6 St. George's Road, Ramsgate.

UNQUALIFIED Chemist's Assistant; good Prescriber and Counterman; active; permanency; outdoors; West of England preferred. 189/4, Office of this Paper.

UNQUALIFIED; 26; good-class all-round experience, including London and 6 months' Continental; window-dresser; outdoors. 193/15, Office of this Paper.

UNQUALIFIED; Dispenser, Locum, Assistant; moderate salary; middle-aged. "Radix," 94 Edward Street, New Cross.

UNQUALIFIED Assistant; good all-round; Hospital, Dental, Dispensing, Prescribing. 193/4, Office of this Paper.

UNQUALIFIED Assistant (21) requires time for study, or moderate hours; London district, Bath, Country and Suburban experience; references; disengaged. Sharman, Lasham, Romford.

UNQUALIFIED Assistant, competent and reliable, good all-round experience, City and suburbs, Photography and Extractor, seeks permanency; outdoors. "Statim," 22 Kelmore Grove, East Dulwich, S.E.

UNQUALIFIED Assistant; 10 years' experience, London and provinces; disengaged October 16. Jones, 44 Church Lane, Old Charlton, S.E.

UNQUALIFIED; energetic, gentlemanly Assistant desires engagement as Senior; permanency; used to good-class business; capable of taking charge; highest references; 35 years; outdoors; disengaged. Mack, 43 Beauchamp Road, Clapham Junction.

UNQUALIFIED; disengaged October 12; married; Manager or otherwise. Bedding, 3 Great Russell Street, London, W.C.

UNQUALIFIED young man (25), tall, desires position as Manager, Shop or Warehouse; excellent London experience; North or South-East London or South Coast preferred; disengaged end of this month. Apply, 193/32, Office of this Paper.

YOUTH, just served apprenticeship (4 years), requires situation as Improver; tall, energetic, and willing worker; Manchester district preferred. 185/39, Office of this Paper.

## WHOLESALE.

**Trade circulars, samples, and printed matter can in no case be forwarded.**

ADDITIONAL Agencies wanted, Drugs, Packed Goods, and Dressings; Lancashire, Yorkshire, and North England. 187/39, Office of this Paper.

COMPETENT man (age 27) seeks situation in Laboratory; 11 years' previous experience in Pharmaceutical and Speciality Preparations. Lee, Nine Springs, Hitchin, Herts.

DRUG Traveller, working London, sound connection, is open for a commission in Medical Confectionery and Sundries; only modern firms entertained. Apply, "Rhei" (190/19), Office of this Paper.

GENTLEMAN, about to Represent two leading houses in Eastern Counties, desires one other commission; terms £2 towards expenses, 10 per cent. on sales. 193/2, Office of this Paper.

QUALIFIED Chemist, with good connection in Eastern Counties, desires to Represent a first-class London house. Apply, 189/100, Office of this Paper.

TRAVELLER desires additional Agency; Medical, Veterinary, or Chemists' Specialities; worked same ground over 5 years; personal connection; part expenses and commission; excellent references. "Enterprise" (189/33), Office of this Paper.

REPRESENTATIVE just disengaged; 10 years' experience, London and provinces; highest references; single; abstainer; sound knowledge Essences, Essential Oils, Perfumery, etc. "Capable" (192/23), Office of this Paper.

TRAVELLER, qualified (34), desiring change, is open shortly to Represent in Scotland and North England any reputable Manufacturing Pharmaceutical Chemists dealing with Medical Men and Chemists; best credentials; salary, expenses, and commission. 188/39, Office of this Paper.

YOUNG man (31), single, 4½ years' Retail experience, seeks employment Wholesale; moderate wages; abstainer; steady. "Mercurial" (187/20), Office of this Paper.

YOUNG man, some years' experience, Counter, Office work, and Travelling, desires post. "M.," c/o Wiggin, Chemist, Ipswich.

# SITUATIONS WANTED

## (Colonial, Indian, and Foreign).

**1s.** for **12** words or less; **6d.** for every **10** words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

*This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.*

GERMAN, Manager of Paris Pharmacy, desires situation, Riviera; experienced in English Pharmacy. Bruno Kasten, 59 Pasteur Bd., Paris.

SOUTH of France Season; qualified English Assistant; 25; high-class Dispensing and Counter experience. 189/8, Office of this Paper.

# MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—30 Allenbury "B" Preference, 24*s.* 7½*d.* c.d.; 100 Idris "A" 6 per cent. Preference, 4*s.* 7½*d.*; 200 Int. Sponge Preference, 13*s.* 10½*d.*; 100 Lewis & Burrows Ordinary, 2*s.* 9*d.*; 200 A. J. White Ordinary, 2*s.*; 200 Schweppes Deferred, 10*s.* 4½*d.*

WANTED (subject).—150 A. J. White Preference, 7*s.* 9*d.*; 200 Allenbury "A" Preference, 23*s.* 1½*d.* x.d.

List of Shares for *Sale* and *Wanted* sent free on application. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London and County and Westminster.

**SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.C.**

CHEMISTS' SHOPFITTINGS (second hand).—Ranges Mahogany Drawers, Bevelled Edged, Glass Labels, Cut-glass Knobs, Shelving, Lockers; Mahogany Dispensing-screens; Glass-fronted Counters; Piano-fronted Wall-case, Mirror Centre; Bent Front Counter-cases; Desks; complete Shop-rounds, Window Backs, Glass Shelves, etc.; extensive stock; give-away prices; high-class Fittings, bang up to date; Estimates. D. MATTHEWS & SON, 14 & 16 Manchester Street, Liverpool.

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McQUEEN'S System of Accounts for Chemists; works out gross and net profits, balance sheet, and income-tax return with guaranteed certainty; a work well known and considered indispensable by progressive Chemists (Tenth and improved Edition). Full particulars and testimonials, post free, McQueen & Co., Moat Road, E. Leicester.

PRINTING FOR CHEMISTS.—Labels, Wrappers, Lists, Folders, Handbills, Stationery; first-class up-to-date work at very low prices; it costs you nothing to see samples and get quotations; Handbills from 10,000 10*s.* 9*d.*; Prescription-envelopes, 1,000 4*s.* 3*d.*; Billheads, Memos., Cards, 1,000 3*s.* 9*d.*; all carriage paid; established 1895. Walter Knight (C.), Printer, Rushden, Norths.

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DENTAL.—Plated forceps, mirror, impression-trays, Stent's compo teeth. "Dens," 54 Bradford Road, Trowbridge.

DENTAL chair, Wilkerson pump, cost £30; also several dentures for show-case. "Dentos" (189/9), Office of this Paper.

BARGAIN. — Wilkerson's pump dental chair, fitted fountain spittoon, £9 9*s.*; polishing lathe, 10*s.* Write, Hickman, 5 Abbott's Road, Southall.

### OPTICAL AND PHOTOGRAPHIC.

HALF-PLATE stand camera, 3 double slides, Ross rectilinear lens f/8. "Photos" (188/18), Office of this Paper.

### MISCELLANEOUS.

AIR mattress, 72 by 30, with bellows; sound; what offers? 183 High Street, Uxbridge.

4-CELL Fuller's primary battery for charging accumulator or any heavy electric work; £1 1*s.* Jelley, Chemist, Coventry.

WILLS' materia-medica cabinet, 6*s.*; Southall's Minor botany, specimens (new), 6*s.*; carriage forward. Cadoux, 45 High Street, Winchester.

TWENTY-FIVE gramophone disc records (7 double-sided), perfect condition; cost £3 2*s.* 6*d.*; accept 40*s.* carriage paid. Nicholls, 21 Jubilee Street, Newquay, Cornwall.

## WANTED.

WANTED, B.P., 1898, second-hand, good condition. Price, 8 Aspley Road, Bedford.

DENTAL show-pieces for case, metal and vulcanite; cheap. Dent, 13 Gunter Grove, Chelsea.

OXYGEN cylinders, 20 and 40 ft., also fine adjustment valves. Lowest prices to Mitchell, Chemist, Boscombe.

WANTED, for manufacturing purposes, large quantity partly spent tamarinds; prompt cash. Apply, 186/9, Office of this Paper.

CHEMIST wants practical instruction in mechanical dentistry, London, mornings preferred. Terms to 187/9, Office of this Paper.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, Waterloo, Liverpool.

DENTAL chair, spittoons, instruments, etc., on loan to responsible professional man. Full particulars to "Dental" (70/64), Office of this Paper.

ADVERTISER, who is opening a business, will be glad to negotiate privately with any Chemist who has fixtures for sale. 69/310, Office of this Paper.

## SHOPS ACT, 1912.

THE Section 4 notice-card (size 14 in. by 11 in.) required by chemists who serve customers with medicines and medical and surgical appliances after 1 P.M. on early-closing days can be obtained from the offices of the *C. & D.*, 42 Cannon Street, London, E.C., for 3*s.* 6*d.* per dozen, or 8*d.* for two delivered free.

## COPPER SULPHATE

**FOR AUTUMN SEED DRESSING.**

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— FOR QUOTATIONS —

WRIGHT & SON, CHEMICAL WORKS, BURTON-ON-TRENT.

## The Shops Act, 1912.

The following are brief particulars of recent local arrangements :

**Belfast.**—At the weekly meeting of the Belfast Corporation on October 1 it was stated that during the month voting-papers were sent out on the proposed order to fix Wednesday or Saturday as the weekly half-holiday in the case of all shops in the city in which is carried on the trade or business of a pharmaceutical chemist, chemist and druggist, or registered druggist, and that the draft order, as set out in the voting-paper, provided that nothing in the order shall prohibit the sale of medicines, medical or surgical appliances in cases of sickness. The Town Clerk reported that the acting Town Solicitor advised that it would be impracticable to make the order as drafted, and recommended that the words "in case of sickness" be deleted therefrom, and it was resolved that the draft order be amended accordingly, and that the Town Clerk be authorised to forward to each shopkeeper affected an amended voting-paper to take the place of the paper already supplied. The vote, it was subsequently reported, resulted as follows: In favour of the proposed order, 99; against the proposed order, 16; papers not returned, 15; paper not marked, 1; total, 131. The Council now unanimously ordered that the day of the weekly half-holiday be Wednesday or, at the option of the shopkeeper, Saturday at 1.30 P.M.

**Broadstairs** chemists have decided to close on Thursdays at 1 P.M. from October to May inclusive.

**Cowdenbeath** chemists have fixed upon Wednesday as their half-holiday.

**Dublin.**—A plebiscite of the traders of Dublin just completed regarding the exemption of various trades shows that chemists and druggists desire exemption, but opticians are in favour of closing.

**Ilford.**—The Urban Council has issued a closing order for chemists, etc., on Thursdays at 1 P.M.

**Oldham.**—The Town Council on September 27 issued an order for chemists and druggists to close on Tuesdays at 1 P.M.

**Ramsgate.**—The whole of the town chemists have voluntarily agreed to close on Thursdays at 1 P.M. from October to May inclusive.

**Reigate.**—The Town Council issued a closing order on September 27 specifying Wednesday at 1 P.M. as early-closing day for vendors of medicines, etc.

**Southgate.**—The Urban District Council has decided to make an order for chemists in the Bowes Park and Palmer's Green districts to close on Thursdays.

Councillor Matthews (Matthews & Son, chemists, 513 High Road, Leytonstone), speaking at the Leyton U.D.C. on the Shops Act, said: "I have been in business for over thirty years, and experience is that all the business is done between 9 and 10 P.M."

## WILLS PROVEN.

Mr. Charles Holland Dutton, Bathampton, Somerset, chemist and druggist, who died on August 19, intestate, left estate of the gross value of 2,159*l.* 11*s.* 2*d.*, of which 1,994*l.* 11*s.* 10*d.* is net personalty.

Mr. John Oswald Stringer, 20 Thames Street, Kingston-on-Thames, chemist and druggist, Treasurer of the Chemists' Dental Society, who died on September 15, left estate of the gross value of 1,066*l.* 19*s.* 11*d.*, of which 891*l.* 19*s.* 6*d.* is net personalty.

Mr. Ernst Louis Armbrecht, 71 and 73 Duke Street, Grosvenor Square, London, W., of Armbrecht, Nelson & Co., homœopathic chemists, who died on August 7, left estate of the gross value of 41,938*l.* 18*s.* 7*d.*, of which 41,296*l.* 8*s.* 6*d.* is net personalty. Probate of his will, dated July 21 last, has been granted to his widow, Mrs. Charlotte Louisa Armbrecht, his son Mr. Ernst Louis Nelson Armbrecht, chemist, his daughter Miss Laura Sophia Frederica Nelson Armbrecht, his daughters Miss Dora Cecilia Nelson Armbrecht, Miss Elsie Christine Nelson Armbrecht, and Mrs. Frances Charlotte Nelson Arrowsmith, and the Public Trustee. The testator left to his wife, Mrs. Charlotte Louisa Armbrecht, 200*l.* and all his furniture, and during her widowhood an annuity of 200*l.*; and for a like period he left to each of his daughters Laura Sophia Frederica Nelson Armbrecht, Dora Cecilia Nelson Armbrecht, Elsie Christine Nelson Armbrecht, and Frances Charlotte Nelson Armbrecht, 75*l.* per annum; to his son Ernst Louis Nelson Armbrecht he left 500*l.* and the goodwill, stock in trade, and plant of his business as a homœopathic chemist and coca-wine maker at 71-73 Duke Street, he paying 25 per cent. of the profits thereof to the residuary estate during widowhood of his wife. The residue of his estate he left upon trust to accumulate during the life or until the remarriage of his wife, and subject thereto upon trust for his said five children, his son Ernst bringing into account the value of the business interests and the legacy of 500*l.* left to him.

## Athletics and Sports.

The Football Team of the Bath College of Pharmacy opened their season by beating Green Park College on their own ground by five goals to two.

The Cheltenham Chemists' Football Club met the St. Phillips' Old Boys on the ground of the former team on Wednesday, October 2, and beat them by two goals to one—a good beginning to their first season.

The Sub-committee appointed for sport at the first meeting of the Aberdeen Junior Chemists' Association got together a football team under the energetic captaincy of Mr. John L. Davidson. The club has entered the Silver City Wednesday League, and since then they have won every match they have played. The team is as follows: Grant; Meldrum and Pope; Forbes, Davidson, and Talner; Paterson, Taylor, McMannes, Hendry, and Marr.

## COMING EVENTS.

**This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.**

**Friday, October 4.**

*Blackpool and Fylde Pharmacists' Association*, Palatine Hotel, at 9.15 P.M. Discussion as to the desirability of obtaining a closing order under the Shops Act, 1912.

**Monday, October 7.**

*Pharmaceutical Society of Ireland*, 67 Lower Mount Street, Dublin, at 7.30 P.M. Annual meeting and presentation of gold medal to Mr. Joel Green.

*Grimsby Pharmacists' Association*, Oberon Hotel, at 9 P.M. Meeting.

**Tuesday, October 8.**

*Oldham Pharmaceutical Association*, Café Monico, Union Street, at 7.30 P.M. Opening social meeting and dance.

*Hull Association of Pharmacists*, Grosvenor Hotel, Carr Lane, at 9 P.M. Discussion on earlier closing and Sunday closing.

**Wednesday, October 9.**

*London Chamber of Commerce, Chemical Trade Section*, Oxford Court, Cannon Street, E.C., at 3.30. Discussion on cultivation of medicinal plants.

*Manchester Pharmaceutical Association*, Grand Hotel, Aytoun Street, at 7 P.M. Dinner and concert. Tickets (4*s.* each) from Messrs. Woolley, Sons & Co. or Messrs. Oldfield, Pattinson & Co.

*Western Pharmacists' Association*, Frascati's Restaurant, Oxford Street, London, W., at 8 P.M. Whist-drive and reception by the President (Mr. C. T. Allen).

*Mansfield Pharmacists' Association*, Crown Hotel, at 7 P.M. Discussion on proposed buying section.

*Sheffield Pharmaceutical and Chemical Society.* Annual meeting.

*Newcastle-on-Tyne Pharmacists' Association*, Hôtel Métropole, Clayton Street West, at 8 P.M. Annual meeting and election of officers.

**Thursday, October 10.**

*Bath Pharmaceutical Association*, Literary Institute, at 8.15 P.M. Annual meeting.

*North Staffordshire Chemists' Association*, Roebuck Hotel, Stoke, at 6 P.M. Address by Mr. W. J. Uglow Woolcock.

Leeds Chemists' Association.—A smoking-concert is to be held at the Great Northern Hotel on October 16, at 7.30 P.M. The annual dinner is fixed for November 6.

Glasgow and West of Scotland Chemists' Association.—A whist-drive and dance has been arranged for October 15. Tickets may be had from Mr. G. S. Kitchin, Hon. Secretary.

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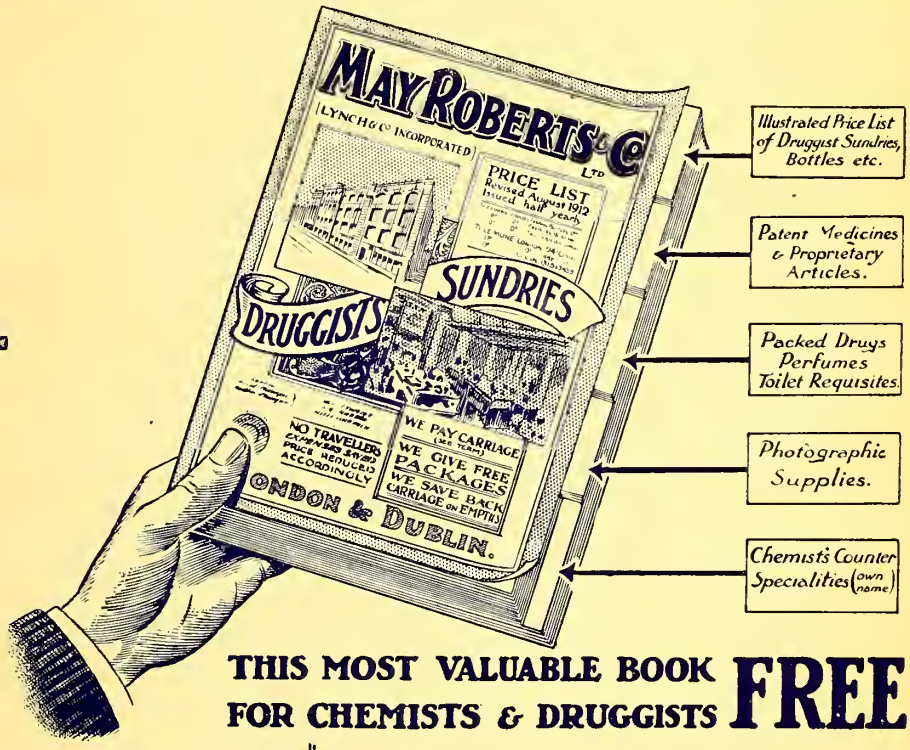


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